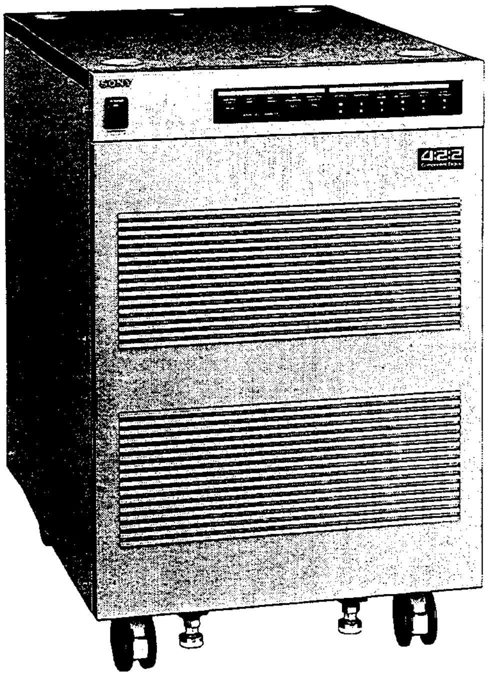
SONY

DIGITAL SIGNAL PROCESSOR

DVPC-1000



4:2:2

Component Digital

MAINTENANCE MANUAL

Volume 2 1st Edition (Revised 10)

Serial No. 10001 and Higher

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回路図中の波形写真について

DVPC－1000 MAINTENANCE MANUAL VOL－2の回路図中の波形写真は、ROVING DACを使用して撮影しました。写真は特に指定したものを除き下記の条件で撮影しました。

Photo of Waveforms in the Circuit Diagram

The photos of waveforms in the circuit diagram of the DVPC-1000 MAINTENANCE MANUAL VOL-2 are taken by using a ROVING DAC. The photos are taken under the following conditions unless otherwise specified.

オシロスコープのセッティング

0.2 V／div
10 μsec／div

Oscilloscope settings

0.2V/div
10usec/div

スイッチ／ジャンパーのセッティング (DVPC－1000)

その他のスイッチ／ジャンパーのセッティングは，5−5項と同じです。セッティングの変更が必要な場合は，各写真毎にその設定を記載しています。

Switch and jumper settings (DVPC-1000)

Other switch and jumper settings are the same as in Section 5-5. Settings which require changing are described on each photo.

IF-139 Board	S3;	TEST	ON
CI-01 Board	SW101-1;	INNER CORRECTION OFF	ON
FM-09A,B Board	S1-1;	DE-SHUFFLING THROUGH	ON
	S1-3;	OUTER CORRECTION OFF	ON
	S3-4;	1H DE-SHUFFLE MEMORY TEST	ON
	CN6;	TEST ENABLE	SHORT
IE-17 Board	CN1;	SCRAMBLE INHIBIT	SHORT
PG-13 Board	S3-2;	VIDEO TEST SIGNAL OUTPUT	ON
SY-70A,B Board	S1-3;	BYPASS-1	ON
	CN8;	DE-SCRAMBLE INHIBIT	ON
VA-45 Board	S1-1;	TEST SIGNAL SELECT	OFF
VE-12 Board	S1-1;	MAPPING OFF	ON
	S1-2;	SHUFFLING OFF	ON
VN-01 Board	S1-1;	DE-MAPPING OFF	ON
	S1-2;	CONCEALMENT OFF	ON

テスト信号発生回路用ROMの変更

VA-45基板上のIC－B9／C9／D9を下記のリニアリティー信号発生用ROMと交換します。交換の際は、電源をオフにして下さい。また、取り外したROMはビデオ信号系の調整等で使用しますので紛失しないよう大切に保管して下さい。

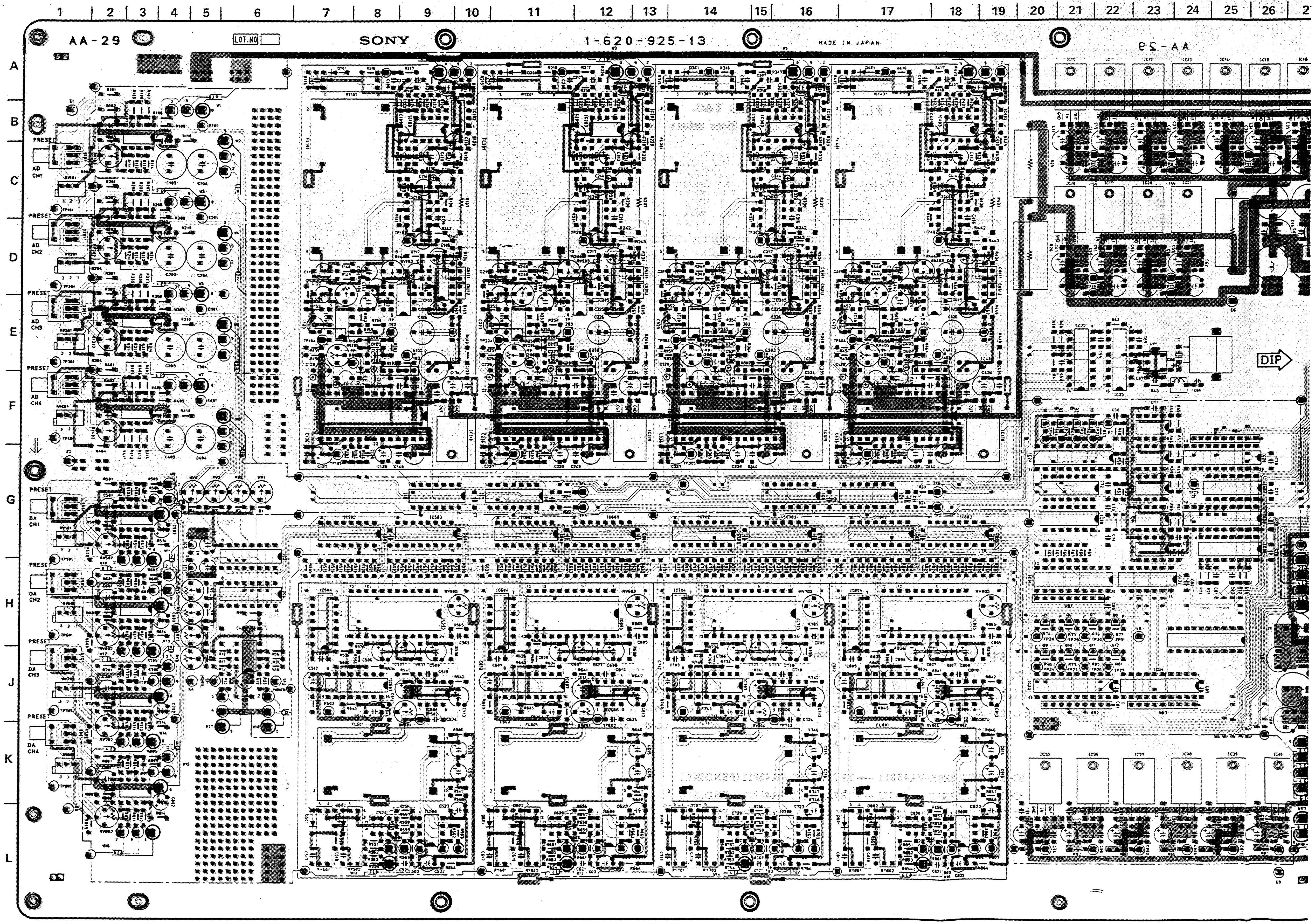
Replacement of ROM for the testing signal generation-circuit

Replace the IC-B9/C9/D9 on the VA-45 board with the following linearity signal generation ROM. Make sure to turn the power off before replacing. Keep the removed ROM for later use as it is used for the video signal adjustment.

IC-B9 MB7138HSK-VA45011 → MB7138HSK-VA45911 (PENDING)
IC-C9 MB7138HSK-VA45021 → MB7138HSK-VA45921 (PENDING)
IC-D9 MB7138HSK-VA45031 → MB7138HSK-VA45931 (PENDING)

AA-29 BOARD (1-620-925-13)

Component Side


1
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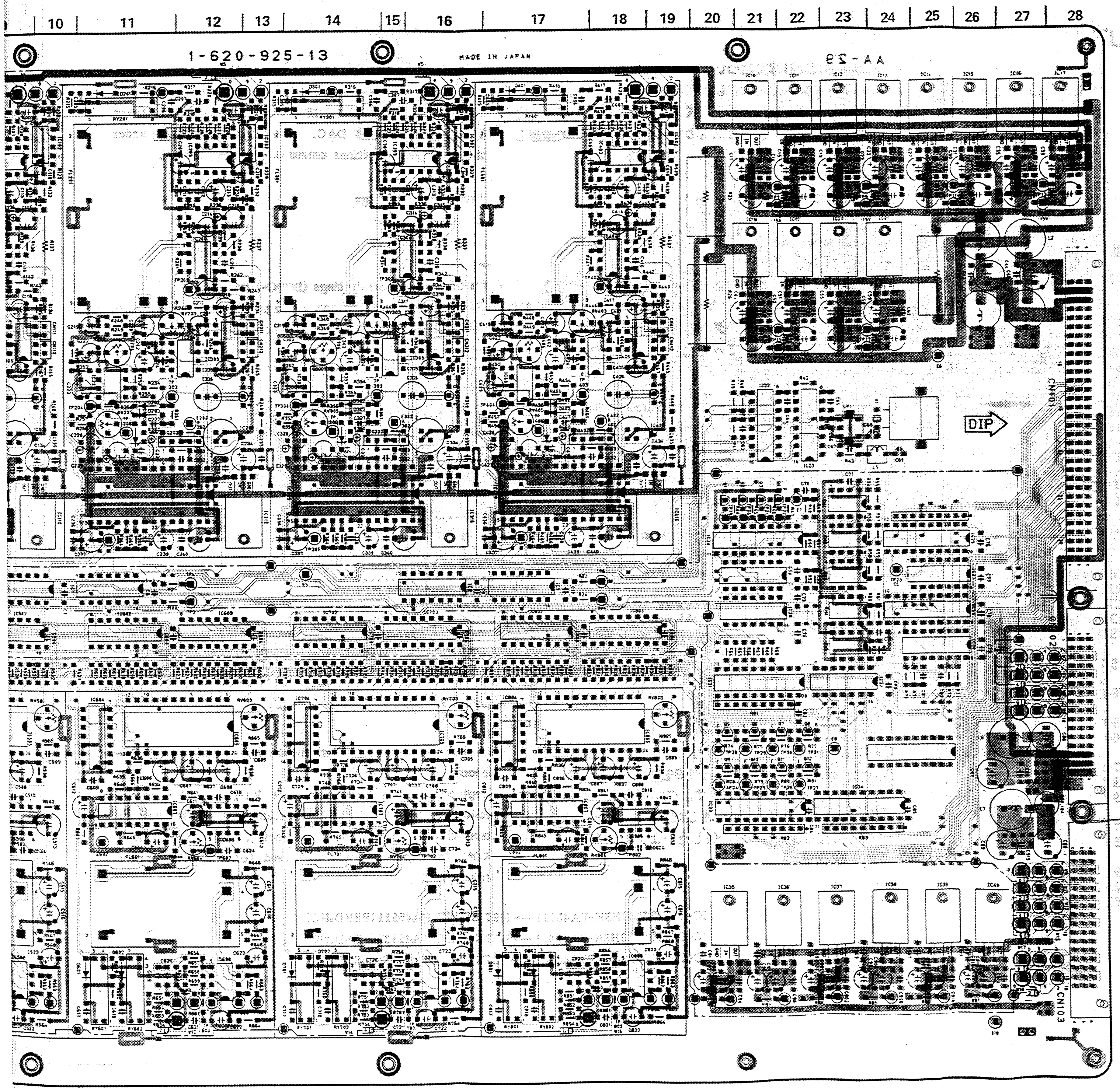
20
21
22
23
24
25
26
2
A
B
C
D
E
F
G
H
J
K
L
AA-29
LOT.NO
SONY
1-620-925-13
MADE IN JAPAN
AA-29
PRESET
AD CH1
PRESET
AD CH2
PRESET
AD CH3
PRESET
AD CH4
PRESET
DA CH1
PRESET
DA CH2
PRESET
DA CH3
PRESET
DA CH4
DIP

1-620-925-13 COMPONENT SIDE

1-620-925-13 S

CARD RACK **AA-29 BOARD** **AA-29 BOARD** CARD RACK



1-620-925-13 SOLDER SIDE

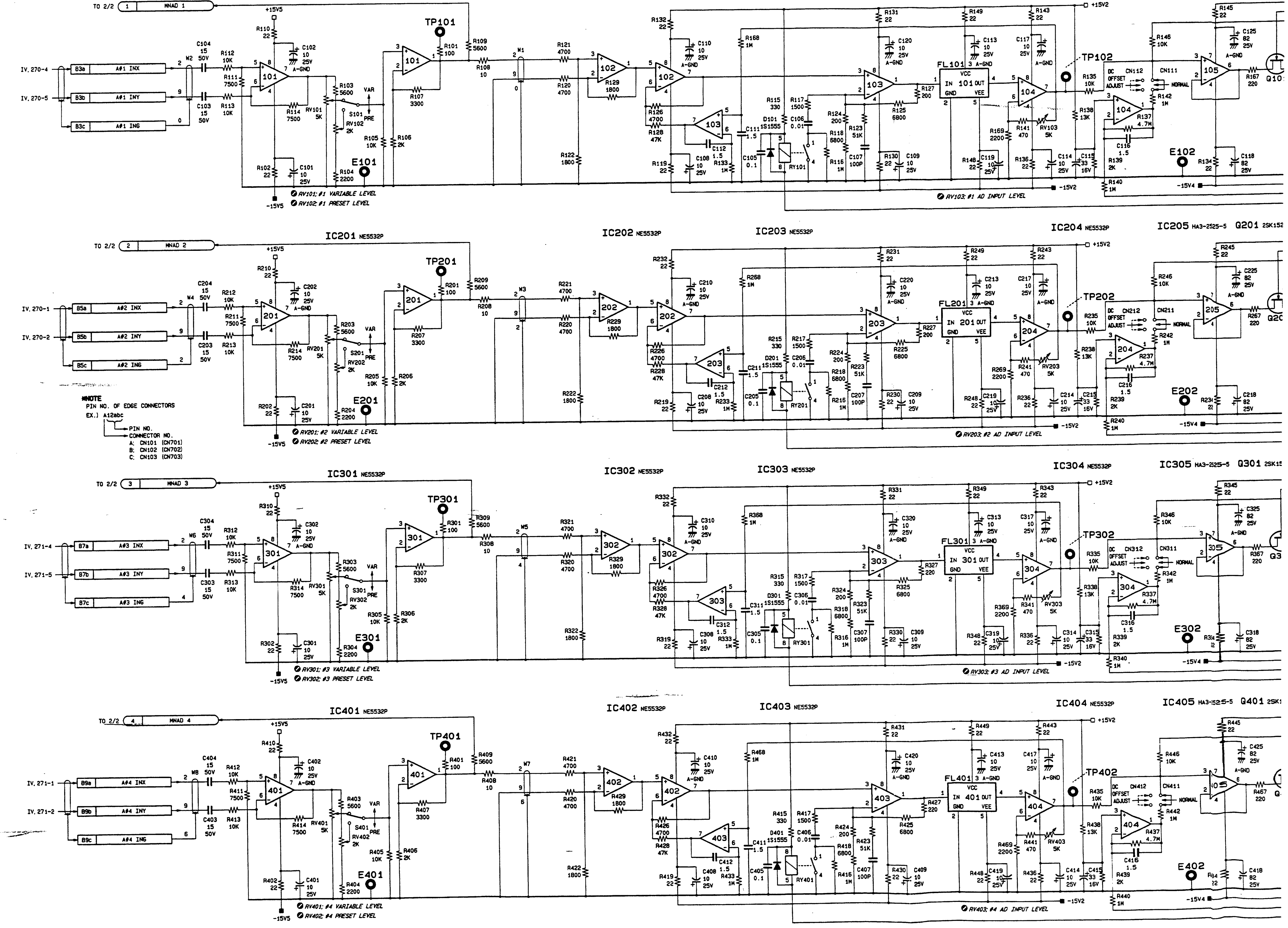
AA-29 (1-620-925-13)

DVPC-1000

CN101M	D28
CN102M	H28
CN103M	K28
CN111	D10
CN112	D10
CN211	D13
CN212	D13
CN311	D16
CN312	D16
CN411	D19
CN412	D19
D101	A7
D102	E8
D103	E8
D104	E8
D201	A11
D202	E11
D203	E11
D204	E11
D301	A14
D302	E14
D303	E14
D304	E14
D401	A17
D402	E17
D403	E17
D404	E17
D501	L7
D502	L7
D601	L11
D602	L11
D701	L14
D702	L14
D801	L17
D802	L17
E1	B1
E2	G1
E3	L1
E4	J5
E5	G14
E6	E25
E7	F22
E8	H23
E9	L26
E101	B5
E102	E9
E201	C5
E202	E12
E301	E5
E302	E15
E401	F5
E402	E18
E501	G3
E502	J7
E503	L10
E601	H3
E602	J11
E603	L13
E701	J3
E702	J14
E703	L16
E801	K3
E802	J17
E803	L19
F1	J27
FL101	C7
FL201	C11
FL301	C14
FL401	C17
FL501	K8
FL601	K11
FL701	K14
FL801	K17
IC1	H5
IC2	G5
IC3	G6
IC4	H6
IC5	J6
IC6	G9
IC7	G11
IC8	G16
IC9	G17
IC10	A21
IC11	A22
IC12	A23
IC13	A24
IC14	A25
IC15	A26
IC16	A27
IC17	A28
IC18	C21
IC19	C22
IC20	C23
IC21	C24
IC22	E21
IC23	E22
IC24	G21
IC25	G25
IC27	G25
IC28	G21
IC29	G25
IC30	G25
IC31	H21
IC32	H23
IC33	J21
IC34	J23
IC35	K20
IC36	K21
IC37	K23
IC38	K24
IC39	K25
IC40	K26
IC101	B3
IC102	B10
IC103	B9
IC104	C9
IC105	D9
IC106	E9
IC107	E7
IC108	E9
IC109	F8
IC110	F9
IC201	D3
IC202	B13
IC203	B12
IC204	C12
IC205	D12
IC206	E12
IC207	E11
IC208	E12
IC209	F11
IC210	F13
IC301	E3
IC302	B16
IC303	B16
IC304	C16
IC305	D16
IC306	E15
IC307	E14
IC308	E16
IC309	F14
IC310	F16
IC401	F3
IC402	B19
IC403	B18
IC404	C18
IC405	D18
IC406	E18
IC407	E17
IC408	E18
IC409	F17
IC410	F19
IC501	G3
IC502	G7
IC503	G9
IC504	H7
IC505	H8
IC506	J9
IC507	J8
IC508	L9
IC601	H3
IC602	G11
IC603	G12
IC604	H11
IC605	H12
IC606	J12
IC607	J11
IC608	L12
IC701	J3
IC702	G14
IC703	G16
IC704	H14
IC705	H14
IC706	J16
IC707	J14
IC708	L16
IC801	K3
IC802	G17
IC803	G18
IC804	H17
IC805	H17
IC806	J18
IC807	J17
IC808	L18
LV1	E23
PH1	F23
PH2	G23
PH3	G23
PH4	G23
PH5	G23
Q1	F20
Q2	F21
Q3	F21
Q4	F21
Q5	H20
Q6	E21
Q7	H21
Q8	H22
Q9	J20
Q10	H21
Q11	H22
Q12	H22
Q101	E9
Q102	E9
Q201	E13
Q202	E12
Q212	D13
Q301	E16
Q302	E15
Q401	E19
Q402	E18
RB1	H21
RB2	J21
RB3	J23
RB4	F25
RV1	G6
RV2	G6
RV3	G5
RV4	G5
RV5	H5
RV6	H5
RV7	H5
RV8	J5
RV101	C1
RV102	C2
RV103	D8
RV104	D7
RV105	E7
RV201	D1
RV202	D2
RV203	D11
RV204	D11
RV205	E11
RV301	E1
RV302	E2
RV303	D14
RV304	D14
RV305	E14
RV401	F1
RV402	F2
RV403	D17
RV404	D17
RV405	E17
RV501	G1
RV502	G2
RV503	E10
RV504	J9
RV601	H1
RV602	H2
RV603	H13
RV604	J12
RV701	J1
RV702	K2
RV703	H16
RV704	J15
RV801	K1
RV802	L2
RV803	H19
RV804	J18
RY101	A7
RY201	A11
RY301	A14
RY401	A17
RY501	L7
RY502	L8
RY601	L11
RY602	L11
RY701	L14
RY702	L14
RY801	L17
RY802	L17
S101	C1
S201	D1
S301	E1
S401	F1
S501	G1
S601	H1
S701	J1
S801	K1
TP1	J5
TP2	J6
TP3	G12
TP4	G12
TP5	G18
TP6	G18
TP7	C22
TP8	C22
TP9	C23
TP10	C23
TP11	C25
TP12	C25
TP13	C27
TP14	C27
TP15	D21
TP16	D21
TP17	D23
TP18	D23
TP19	F20
TP20	F21
TP21	F21
TP22	F22
TP23	G24
TP24	J20
TP25	J21
TP26	J21
TP27	J22
TP28	H20
TP29	H21
TP30	H21
TP31	H22
TP32	L20
TP33	L21
TP34	L23
TP35	L24
TP36	L25
TP37	L26
TP101	C1
TP102	D9
TP103	E8
TP104	E7
TP105	G7
TP106	E7
TP201	D1
TP202	D12
TP203	E11
TP204	E11
TP205	G11
TP206	E11
TP301	E1
TP302	D15
TP303	E14
TP304	E14
TP305	G14
TP306	E14
TP401	F1
TP402	D18
TP403	E17
TP404	E17
TP405	G17
TP406	E17
TP501	H1
TP502	J9
TP503	L9
TP504	L9
TP601	H1
TP602	J12
TP603	L12
TP604	L12
TP701	J1
TP702	J16
TP703	L16
TP704	L16
TP801	K1
TP802	J18
TP803	L18
TP804	L18
X1	E24

AA-29 BOARD (1/2)

Audio A/D, D/A Converter

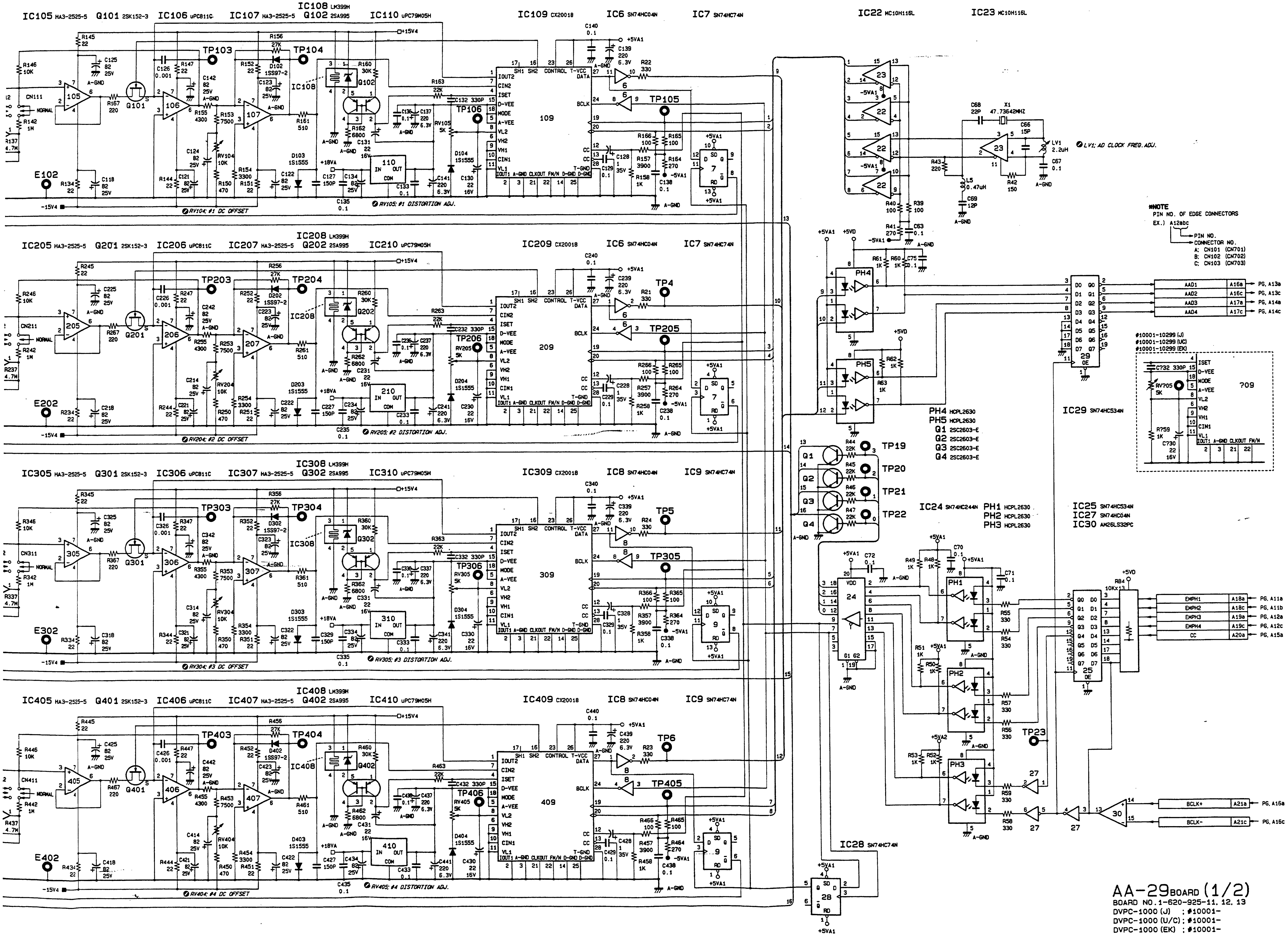

TO 2/2 1 MNAD 1
TO 2/2 2 MNAD 2
TO 2/2 3 MNAD 3
TO 2/2 4 MNAD 4
IV, 270-4
IV, 270-5
IV, 270-1
IV, 270-2
IV, 271-4
IV, 271-5
IV, 271-1
IV, 271-2
B3a A#1 INX
B3b A#1 INY
B3c A#1 ING
B5a A#2 INX
B5b A#2 INY
B5c A#2 ING
B7a A#3 INX
B7b A#3 INY
B7c A#3 ING
B9a A#4 INX
B9b A#4 INY
B9c A#4 ING
IC101 NE5532P
IC102 NE5532P
IC103 NE5532P
IC104 NE5532P
IC105 HA3-2525-5
Q101 2SK152
IC201 NE5532P
IC202 NE5532P
IC203 NE5532P
IC204 NE5532P
IC205 HA3-2525-5
Q201 2SK152
IC301 NE5532P
IC302 NE5532P
IC303 NE5532P
IC304 NE5532P
IC305 HA3-2525-5
Q301 2SK152
IC401 NE5532P
IC402 NE5532P
IC403 NE5532P
IC404 NE5532P
IC405 HA3-2525-5
Q401 2SK152
TP101
TP102
TP201
TP202
TP301
TP302
TP401
TP402
E101
E102
E201
E202
E301
E302
E401
E402
FL101
FL201
FL301
FL401
VCC
IN
OUT
GND
VEE
+15V5
-15V5
+15V2
-15V2
-15V4
A-GND
VAR
PRE
DC OFFSET ADJUST
NORMAL
S101
S201
S301
S401
RY101
RY201
RY301
RY401
D101 1S1555
D201 1S1555
D301 1S1555
D401 1S1555
RV101 5K
RV102 2K
RV103 5K
RV201 5K
RV202 2K
RV203 5K
RV301 5K
RV302 2K
RV303 5K
RV401 5K
RV402 2K
RV403 5K
CN111
CN112
CN211
CN212
CN311
CN312
CN411
CN412
RV101: #1 VARIABLE LEVEL
RV102: #1 PRESET LEVEL
RV103: #1 AD INPUT LEVEL
RV201: #2 VARIABLE LEVEL
RV202: #2 PRESET LEVEL
RV203: #2 AD INPUT LEVEL
RV301: #3 VARIABLE LEVEL
RV302: #3 PRESET LEVEL
RV303: #3 AD INPUT LEVEL
RV401: #4 VARIABLE LEVEL
RV402: #4 PRESET LEVEL
RV403: #4 AD INPUT LEVEL

NOTE

PIN NO. OF EDGE CONNECTORS

EX.) A12abc

- PIN NO.
- CONNECTOR NO.
  - A: CN101 (CN701)
  - B: CN102 (CN702)
  - C: CN103 (CN703)


IC105 HA3-2525-5
Q101 2SK152-3
IC106 uPC811C
IC107 HA3-2525-5
IC108 LM399H
Q102 2SA995
IC110 uPC79M05H
IC109 CX20018
IC6 SN74HC04N
IC7 SN74HC74N
IC22 MC10H116L
IC23 MC10H116L
IC205 HA3-2525-5
Q201 2SK152-3
IC206 uPC811C
IC207 HA3-2525-5
IC208 LM399H
Q202 2SA995
IC210 uPC79M05H
IC209 CX20018
IC305 HA3-2525-5
Q301 2SK152-3
IC306 uPC811C
IC307 HA3-2525-5
IC308 LM399H
Q302 2SA995
IC310 uPC79M05H
IC309 CX20018
IC8 SN74HC04N
IC9 SN74HC74N
IC405 HA3-2525-5
Q401 2SK152-3
IC406 uPC811C
IC407 HA3-2525-5
IC408 LM399H
Q402 2SA995
IC410 uPC79M05H
IC409 CX20018
TP103
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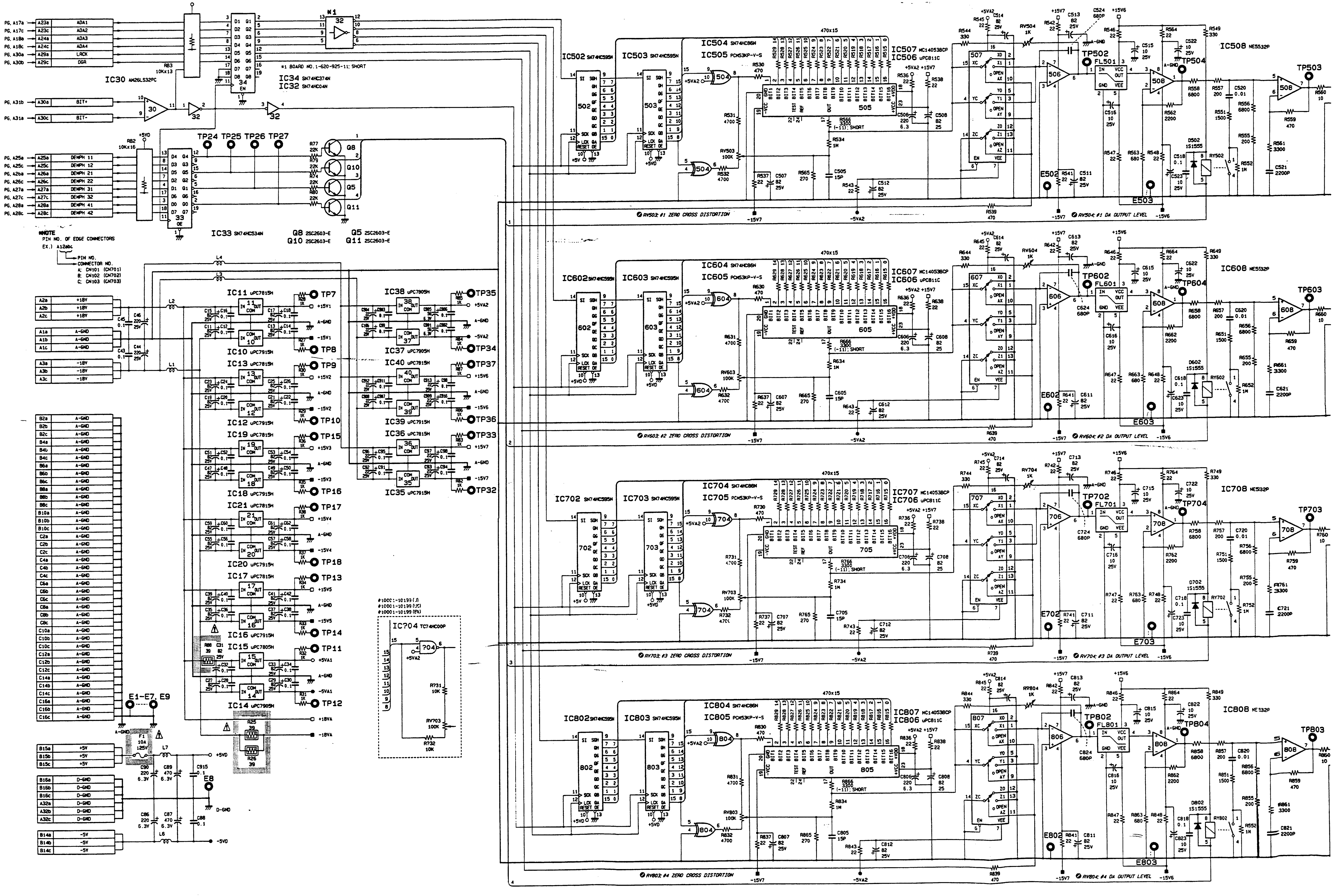
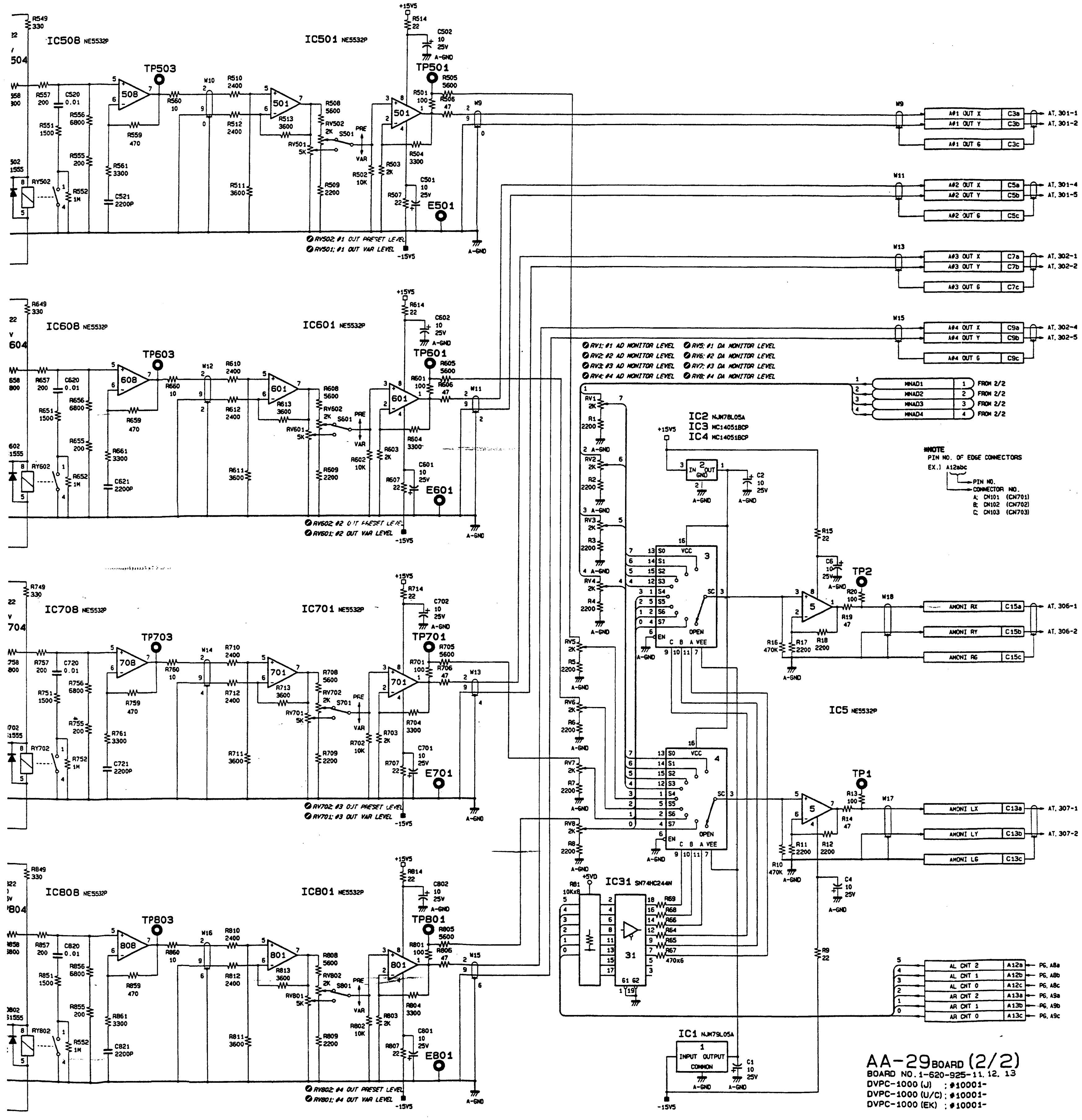
TP105
TP106
TP203
TP204
TP205
TP206
TP303
TP304
TP305
TP306
TP403
TP404
TP405
TP406
TP4
TP5
TP6
TP19
TP20
TP21
TP22
TP23
E102
E202
E302
E402
CN111
CN211
CN311
CN411
NORMAL
+15V4
-15V4
+5VA1
-5VA1
+5VD
+18VA
A-GND
RV104: #1 DC OFFSET
RV105: #1 DISTORTION ADJ.
RV204: #2 DC OFFSET
RV205: #2 DISTORTION ADJ.
RV304: #3 DC OFFSET
RV305: #3 DISTORTION ADJ.
RV404: #4 DC OFFSET
RV405: #4 DISTORTION ADJ.
X1 47.73642MHZ
LV1 2.2uH
LV1: AD CLOCK FREQ.ADJ.
SH1 SH2 CONTROL T-VCC DATA
IOUT2 CIN2 ISET D-VEE MODE A-VEE VL2 VH2 VH1 CIN1 VL1
IOUT1 A-GND CLKOUT FM/N D-GND D-GND
BCLK
PH4 HCPL2630
PH5 HCPL2630
Q1 2SC2603-E
Q2 2SC2603-E
Q3 2SC2603-E
Q4 2SC2603-E
IC24 SN74HC244N
PH1 HCPL2630
PH2 HCPL2630
PH3 HCPL2630
IC25 SN74HC534N
IC27 SN74HC04N
IC30 AM26LS32PC
IC28 SN74HC74N
IC29 SN74HC534N
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN701)
B: CN102 (CN702)
C: CN103 (CN703)
AAD1 A16a PG, A13a
AAD2 A16c PG, A13c
AAD3 A17a PG, A14a
AAD4 A17c PG, A14c
#10001-10299 (J)
#10001-10299 (UC)
#10001-10299 (EK)
C?32 330P
RV?05 5K
R?59 1K
C?30 22 16V
?09
EMPH1 A18a PG, A11a
EMPH2 A18c PG, A11b
EMPH3 A19a PG, A12a
EMPH4 A19c PG, A12c
CC A20a PG, A15a
BCLK+ A21a PG, A16a
BCLK- A21c PG, A16c

AA-29 BOARD (1/2)

BOARD NO. 1-620-925-11, 12, 13
DVPC-1000 (J) : #10001-
DVPC-1000 (U/C) : #10001-
DVPC-1000 (EK) : #10001-

AA-29 BOARD (2/2)


IC30 AM26LS32PC
IC33 SN74HC534N
IC34 SN74HC374N
IC32 SN74HC04N
*1 BOARD NO.1-620-925-11: SHORT
TP24 TP25 TP26 TP27
Q8 2SC2603-E
Q10 2SC2603-E
Q5 2SC2603-E
Q11 2SC2603-E
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN701)
B: CN102 (CN702)
C: CN103 (CN703)
IC11 uPC7815H
IC10 uPC7915H
IC13 uPC7815H
IC12 uPC7915H
IC19 uPC7815H
IC18 uPC7915H
IC21 uPC7815H
IC20 uPC7915H
IC17 uPC7815H
IC16 uPC7915H
IC15 uPC7805H
IC14 uPC7905H
IC38 uPC7805H
IC37 uPC7905H
IC40 uPC7815H
IC39 uPC7915H
IC36 uPC7815H
IC35 uPC7915H
IC704 TC74HC00P
E1-E7, E9
E8
F1 10A 125V
IC502 SN74HC595N
IC503 SN74HC595N
IC504 SN74HC86N
IC505 PCM53KP-V-S
IC507 MC14053BCP
IC506 uPC811C
IC508 NE5532P
IC602 SN74HC595N
IC603 SN74HC595N
IC604 SN74HC86N
IC605 PCM53KP-V-S
IC607 MC14053BCP
IC606 uPC811C
IC608 NE5532P
IC702 SN74HC595N
IC703 SN74HC595N
IC704 SN74HC86N
IC705 PCM53KP-V-S
IC707 MC14053BCP
IC706 uPC811C
IC708 NE5532P
IC802 SN74HC595N
IC803 SN74HC595N
IC804 SN74HC86N
IC805 PCM53KP-V-S
IC807 MC14053BCP
IC806 uPC811C
IC808 NE5532P
RV503: #1 ZERO CROSS DISTORTION
RV504: #1 DA OUTPUT LEVEL
RV603: #2 ZERO CROSS DISTORTION
RV604: #2 DA OUTPUT LEVEL
RV703: #3 ZERO CROSS DISTORTION
RV704: #3 DA OUTPUT LEVEL
RV803: #4 ZERO CROSS DISTORTION
RV804: #4 DA OUTPUT LEVEL
TP502 TP503 TP504 TP602 TP603 TP604 TP702 TP703 TP704 TP802 TP803 TP804
E502 E503 E602 E603 E702 E703 E802 E803
FL501 FL601 FL701 FL801


IC508 NE5532P
IC501 NE5532P
TP503
TP501
E501
IC608 NE5532P
IC601 NE5532P
TP603
TP601
E601
IC708 NE5532P
IC701 NE5532P
TP703
TP701
E701
IC808 NE5532P
IC801 NE5532P
TP803
TP801
E801
RV502: #1 OUT PRESET LEVEL
RV501: #1 OUT VAR LEVEL
RV602: #2 OUT PRESET LEVEL
RV601: #2 OUT VAR LEVEL
RV702: #3 OUT PRESET LEVEL
RV701: #3 OUT VAR LEVEL
RV802: #4 OUT PRESET LEVEL
RV801: #4 OUT VAR LEVEL
+15V5
-15V5
A-GND
A#1 OUT X
A#1 OUT Y
A#1 OUT G
C3a
C3b
C3c
AT, 301-1
AT, 301-2
A#2 OUT X
A#2 OUT Y
A#2 OUT G
C5a
C5b
C5c
AT, 301-4
AT, 301-5
A#3 OUT X
A#3 OUT Y
A#3 OUT G
C7a
C7b
C7c
AT, 302-1
AT, 302-2
A#4 OUT X
A#4 OUT Y
A#4 OUT G
C9a
C9b
C9c
AT, 302-4
AT, 302-5
RV1; #1 AD MONITOR LEVEL
RV2; #2 AD MONITOR LEVEL
RV3; #3 AD MONITOR LEVEL
RV4; #4 AD MONITOR LEVEL
RV5; #1 DA MONITOR LEVEL
RV6; #2 DA MONITOR LEVEL
RV7; #3 DA MONITOR LEVEL
RV8; #4 DA MONITOR LEVEL
MNAD1
MNAD2
MNAD3
MNAD4
FROM 2/2
IC2 NJM78L05A
IC3 MC14051BCP
IC4 MC14051BCP
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A; CN101 (CN701)
B; CN102 (CN702)
C; CN103 (CN703)
TP2
TP1
AMONI RX
AMONI RY
AMONI RG
C15a
C15b
C15c
AT, 306-1
AT, 306-2
IC5 NE5532P
AMONI LX
AMONI LY
AMONI LG
C13a
C13b
C13c
AT, 307-1
AT, 307-2
OPEN
IC31 SN74HC244N
AL CNT 2
AL CNT 1
AL CNT 0
AR CNT 2
AR CNT 1
AR CNT 0
A12a
A12b
A12c
A13a
A13b
A13c
P6, A8a
P6, A8b
P6, A8c
P6, A9a
P6, A9b
P6, A9c
IC1 NJM79L05A
INPUT OUTPUT
COMMON

AA-29 BOARD (2/2)
BOARD NO. 1-620-925-11, 12, 13
DVPC-1000 (J) : #10001-
DVPC-1000 (U/C) : #10001-
DVPC-1000 (EK) : #10001-

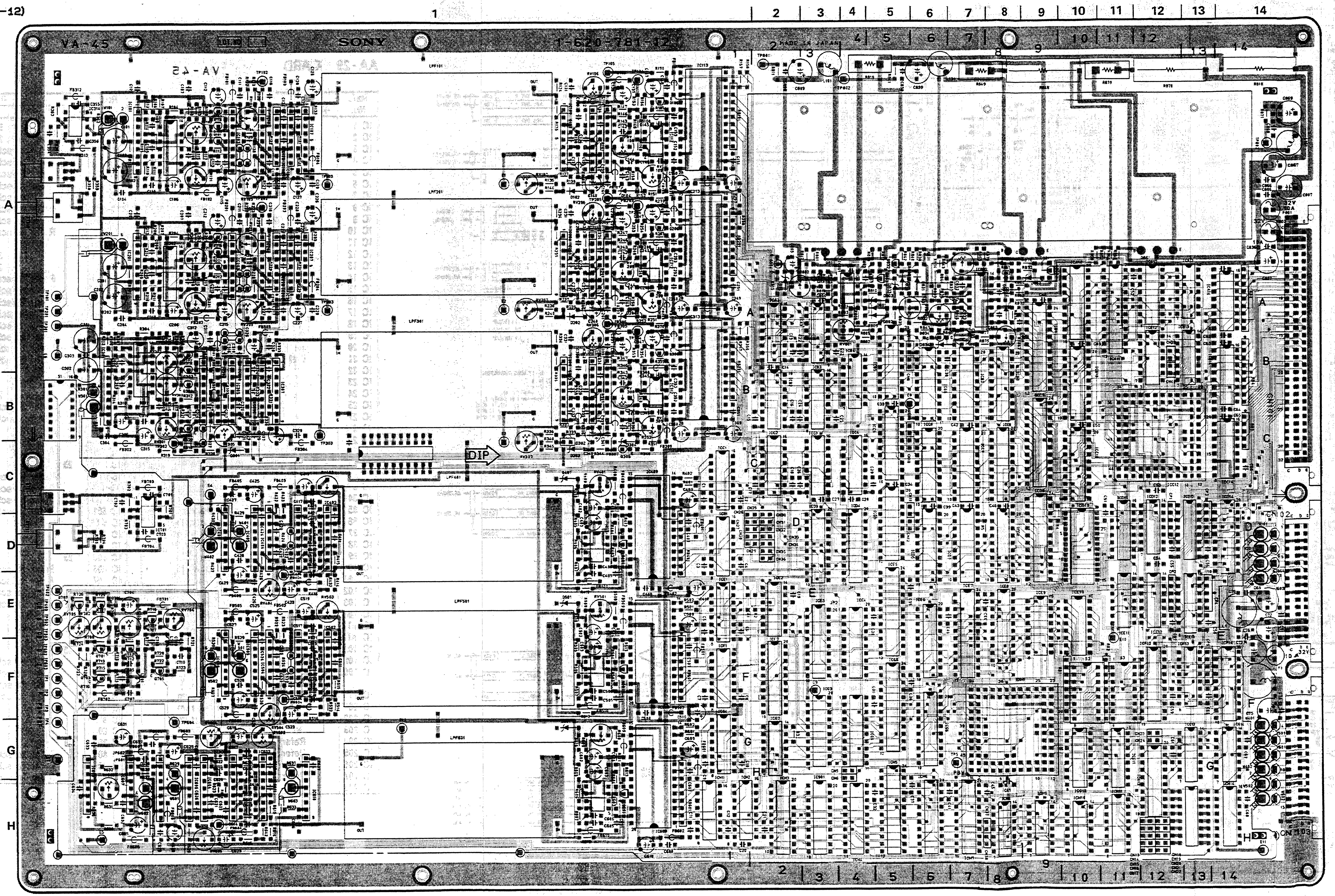
AA-29 BOARD

Ref. No.	Pin No.				
	+15V	+5V	GND	−5V	−15V
IC 1	Refer to schematic diagram				
IC 2	Refer to schematic diagram				
IC 3		16	8	7	
IC 4		16	8	7	
IC 5	Refer to schematic diagram				
IC 6		14	7		
IC 7		14	7		
IC 8		14	7		
IC 9		14	7		
IC 10	Refer to schematic diagram				
IC 11	Refer to schematic diagram				
IC 12	Refer to schematic diagram				
IC 13	Refer to schematic diagram				
IC 14	Refer to schematic diagram				
IC 15	Refer to schematic diagram				
IC 16	Refer to schematic diagram				
IC 17	Refer to schematic diagram				
IC 18	Refer to schematic diagram				
IC 19	Refer to schematic diagram				
IC 20	Refer to schematic diagram				
IC 21	Refer to schematic diagram				
IC 22			1, 16	8	
IC 23			1, 16	8	
IC 24		20	10		
IC 25		20	10		
IC 27		14	7		
IC 28		14	7		
IC 29		20	10		
IC 30		16	8		
IC 31		20	10		
IC 32		14	7		
IC 33		20	10		
IC 34		20	10		
IC 35	Refer to schematic diagram				
IC 36	Refer to schematic diagram				
IC 37	Refer to schematic diagram				
IC 38	Refer to schematic diagram				
IC 39	Refer to schematic diagram				
IC 40	Refer to schematic diagram				
IC 101	Refer to schematic diagram				
IC 102	Refer to schematic diagram				
IC 103	Refer to schematic diagram				
IC 104	Refer to schematic diagram				
IC 105	Refer to schematic diagram				
IC 106	Refer to schematic diagram				
IC 107	Refer to schematic diagram				
IC 108	3		4		
IC 109		26	3, 14, 25, 28	5, 15	
IC 110	Refer to schematic diagram				
IC 201	Refer to schematic diagram				
IC 202	Refer to schematic diagram				
IC 203	Refer to schematic diagram				
IC 204	Refer to schematic diagram				
IC 205	Refer to schematic diagram				
IC 206	Refer to schematic diagram				
IC 207	Refer to schematic diagram				
IC 208	3		4		
IC 209		26	3, 14, 25, 28	5, 15	
IC 210	Refer to schematic diagram				
IC 301	Refer to schematic diagram				
IC 302	Refer to schematic diagram				
IC 303	Refer to schematic diagram				
IC 304	Refer to schematic diagram				
IC 305	Refer to schematic diagram				
IC 306	Refer to schematic diagram				
IC 307	Refer to schematic diagram				
IC 308	3		4		
IC 309		26	3, 14, 25, 28	5, 15	
IC 310	Refer to schematic diagram				
IC 401	Refer to schematic diagram				
IC 402	Refer to schematic diagram				
IC 403	Refer to schematic diagram				
IC 404	Refer to schematic diagram				
IC 405	Refer to schematic diagram				
IC 406	Refer to schematic diagram				
IC 407	Refer to schematic diagram				
IC 408	3		4		
IC 409		26	3, 14 25, 28	5, 15	
IC 410	Refer to schematic diagram				
IC 501	Refer to schematic diagram				
IC 502		16	8		
IC 503		16	8		
IC 504		14	7		
IC 505	23	18	20		19
IC 506	Refer to schematic diagram				
IC 507	Refer to schematic diagram				
IC 508	Refer to schematic diagram				
IC 601	Refer to schematic diagram				
IC 602		16	8		
IC 603		16	8		
IC 604		14	7		
IC 605	23	18	20		19
IC 606	Refer to schematic diagram				
IC 607	Refer to schematic diagram				
IC 608	Refer to schematic diagram				
IC 701	Refer to schematic diagram				
IC 702		16	8		
IC 703		16	8		
IC 704		14	7		
IC 705	23	18	20		19
IC 706	Refer to schematic diagram				
IC 707	Refer to schematic diagram				
IC 708	Refer to schematic diagram				
IC 801	Refer to schematic diagram				
IC 802		16	8		
IC 803		16	8		
IC 804		14	7		
IC 805	23	18	20		19
IC 806	Refer to schematic diagram				
IC 807	Refer to schematic diagram				
IC 808	Refer to schematic diagram				

A-45 BOARD (1-620-781-12)

omponent Side

#10001 TO 21299 (J)
#10001 TO 20999 (UC)
#10001 TO 11199 (EK)


VA-45
SONY
1-620-781-12
MADE IN JAPAN
DIP
LPF101
LPF201
LPF301
LPF401
LPF501
LPF601
CN102
CN103
32V
1
2
3
4
5
6
7
8
9
10
11
12
13
14
A
B
C
D
E
F
G
H

1-620-781-12 COMPONENT SIDE

1-620-781-12 SOLDER SIDE

VA-45 (1-620-781-11,12)

DVPC-1000

CN5	G4
CN6	H4
CN7	A5
CN8	A5
CN9	B5
CN10	C5
CN11	D5
CN12	D5
CN13	H12
CN14	H12
CN15	H12
CN16	H12
CN17	H12
CN18	H12
CN19	H12
CN20	H12
CN21	H12
CN22	H12
CN23	G12
CN24	G12
CN25	D2
CN26	D2
CN27	D2
CN28	D2
CN29	D2
CN30	D2
CN31	D2
CN32	D2
CN33	D2
CN34	D2
CN35	D2
CN36	D2
CN37	H8
CN38	H8
CN39	A12
CN40	B12
CN101M	A14
CN102M	E14
CN103M	G14
CP1	D12
CP2	E12
CP3	D13
CP4	E13
CP5	F13
D102	A1
D104	A1
D202	A1
D204	A1
D301	C1
D302	C1
D303	C1
D304	C1
D401	C1
D501	E1
D601	G1
D801	A5
D802	A5
D803	A5
D804	A2
D831	A6
D832	A5
D833	A5
D834	A6
D861	A8
D862	A8
D863	A9
E1	A1
E2	A1
E3	C1
E4	C1
E5	H1
E6	A1
E7	G1
E8	B5
E9	F3
E10	F11
E11	H14
E12	G1
F1	F14
F801	A14
F802	A14
FB101	A1
FB102	A1
FB103	A1
FB104	A1
FB105	A1
FB106	A1
FB107	A1
FB108	A1
FB109	A1
FB110	A1
FB111	A1
FB201	A1
FB202	A1
FB203	A1
FB204	A1
FB205	A1
FB206	A1
FB207	A1
FB208	A1
FB209	A1
FB210	A1
FB211	A1
FB301	A1
FB302	C1
FB303	A1
FB304	C1
FB305	A1
FB306	B1
FB307	B1
FB308	A1
FB309	B1
FB310	B1
FB311	A1
FB312	A1
FB313	A1
FB401	D1
FB402	E1
FB403	C1
FB404	E1
FB405	C1
FB406	E1
FB409	C1
FB410	E1
FB501	F1
FB502	F1
FB503	E1
FB504	F1
FB505	E1
FB506	F1
FB509	E1
FB510	F1
FB601	G1
FB602	H1
FB603	G1
FB604	H1
FB605	G1
FB606	H1
FB607	G1
FB608	H1
FB609	G1
FB610	H1
FB701	E1
FB702	F1
FB703	C1
FB704	D1
IC101	A1
IC102	A1
IC103	A1
IC104	A1
IC107	A1
IC108	A1
IC109	A1
IC110	A1
IC111	A1
IC112	A1
IC113	A1
IC201	A1
IC202	A1
IC203	A1
IC204	A1
IC206	A1
IC207	A1
IC208	A1
IC209	A1
IC210	A1
IC211	A1
IC212	A1
IC213	A1
IC301	B1
IC302	A1
IC303	B1
IC304	B1
IC306	B1
IC307	B1
IC308	B1
IC309	B1
IC310	B1
IC311	B1
IC312	B1
IC313	A1
IC314	A1
IC401	D1
IC402	D1
IC403	D1
IC404	D1
IC405	D1
IC406	D1
IC409	D1
IC501	F1
IC502	F1
IC503	F1
IC504	F1
IC505	F1
IC506	F1
IC509	F1
IC601	H1
IC602	H1
IC603	H1
IC604	H1
IC605	H1
IC606	H1
IC607	H1
IC608	H1
IC609	G1
IC610	H1
IC701	C1
IC801	A4
IC802	A7
IC901	H3
LPF101	A1
LPF201	A1
LPF301	B1
LPF401	D1
LPF501	F1
LPF601	H1
Q101	A1
Q102	A1
Q103	A1
Q106	A1
Q201	A1
Q202	A1
Q203	A1
Q206	A1
Q301	B1
Q302	A1
Q303	A1
Q304	B1
Q305	C1
Q306	A1
Q401	D1
Q501	F1
Q601	H1
Q701	F1
Q702	F1
Q703	F1
Q704	E1
Q705	F1
Q706	E1
Q707	E1
Q801	A3
Q802	A5
Q804	A2
Q831	A9
Q832	A5
Q834	A6
Q861	A12
Q862	A9
RB1	F10
RB2	F11
RB3	A14
RB4	B14
RB5	B14
RB101	A1
RB201	A1
RB301	A1
RB401	D1
RB501	F1
RB601	H1
RV101	A1
RV102	A1
RV104	A1
RV105	A1
RV106	A1
RV107	A1
RV108	A1
RV109	A1
RV201	A1
RV202	A1
RV204	A1
RV205	A1
RV205	A1
RV206	A1
RV207	A1
RV208	A1
RV209	A1
RV301	B1
RV302	B1
RV303	A1
RV305	B1
RV306	A1
RV307	C1
RV308	B1
RV309	B1
RV310	A1
RV401	C1
RV403	C1
RV404	E1
RV501	E1
RV503	E1
RV504	F1
RV601	G1
RV603	G1
RV604	G1
RV605	H1
RV606	H1
RV701	D1
RV702	E1
RV703	E1
RV704	E1
RV705	E1
RV801	A4
RV802	A2
RV831	A5
RV832	A6
RV861	A7
RV862	A8
S1	B1
S2	F10
S3	F11
S101	A1
S701	C1
TP1	F1
TP2	F1
TP3	F1
TP4	G1
TP5	G7
TP101	A1
TP102	A1
TP103	A1
TP104	A1
TP105	A1
TP201	A1
TP202	A1
TP203	A1
TP204	A1
TP205	A1
TP301	A1
TP302	C1
TP303	B1
TP304	A1
TP305	A1
TP401	E1
TP402	E1
TP403	E1
TP501	F1
TP502	E1
TP503	E1
TP601	H1
TP602	F1
TP603	F1
TP604	G1
TP801	A2
TP802	A4
TP803	A14

VA-45 BOARD

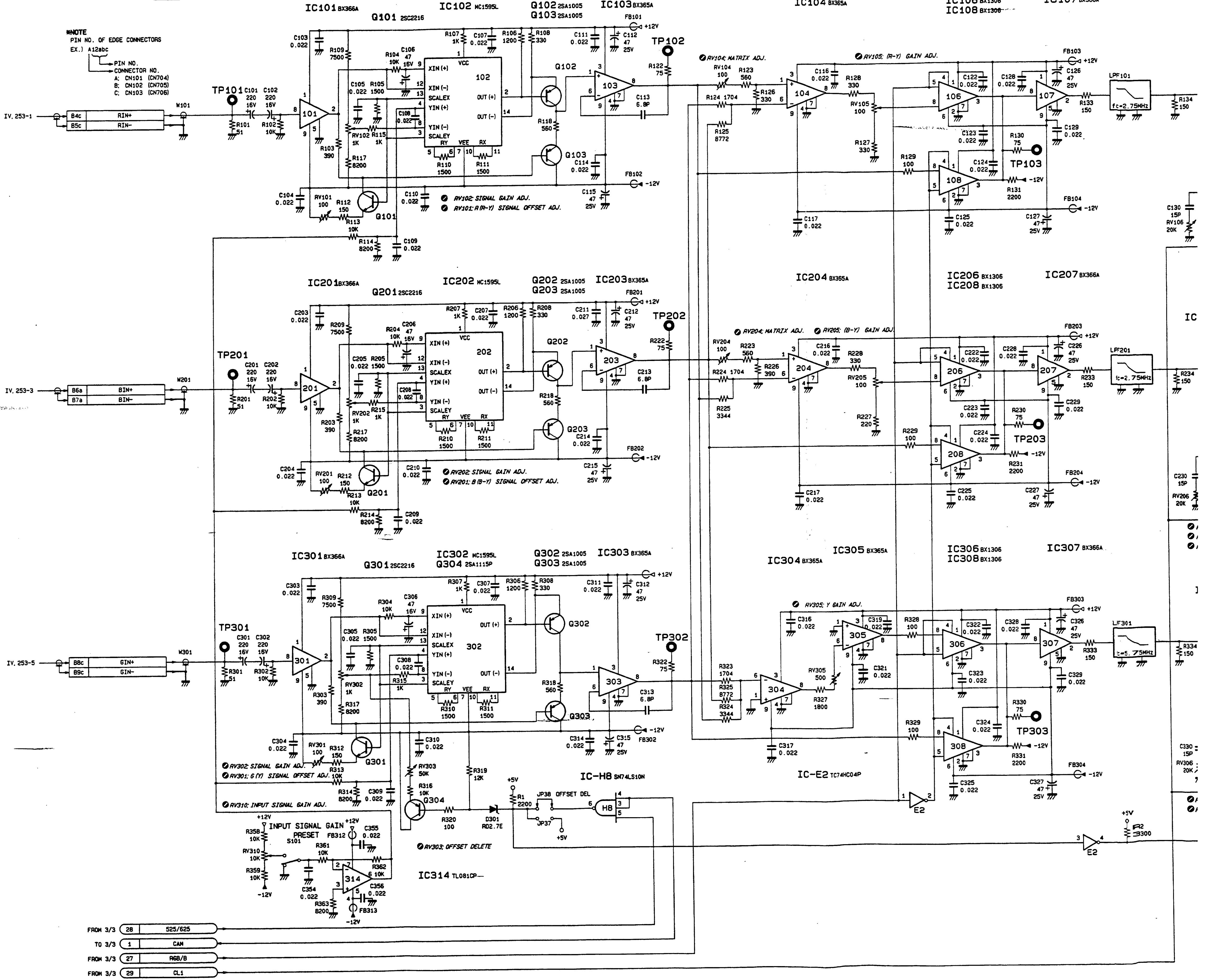
Ref. No.	Pin No.				
	+12V	+5V	GND	−5V	−12V
IC 101	1		5		9
IC 102	Refer to schematic diagram.				
IC 103	3		4, 7		9
IC 104	3		4, 7		9
IC 106	1		2, 7		6
IC 107	1		5		9
IC 108	1		2, 7		6
IC 109	3		4, 7		9
IC 110	1		5		9
IC 111	9		3		5
IC 112	7				4
IC 113			3, 12 19, 21 23, 25	2, 13 18, 26 28	
IC 201	1		5		9
IC 202	Refer to schematic diagram.				
IC 203	3		4, 7		9
IC 204	3		4, 7		9
IC 206	1		2, 7		6
IC 207	1		5		9
IC 208	1		2, 7		6
IC 209	3		4, 7		9
IC 210	1		5		9
IC 211	9		3		5
IC 212	7				4
IC 213			3, 12 19, 21 23, 25	2, 13 18, 26 28	
IC 301	1		5		9
IC 302	Refer to schematic diagram.				
IC 303	3		4, 7		9
IC 304	3		4, 7		9
IC 305	3		4, 7		9
IC 306	1		2, 7		6
IC 307	1		5		9
IC 308	1		2, 7		6
IC 309	3		4, 7		9
IC 310	1		5		9
IC 311	9		3		5
IC 312	7				4
IC 313			3, 12 19, 21 23, 25	2, 13 18, 26 28	
IC 314	7				4
IC 401	7				4
IC 402	3		4, 7		9
IC 403	9		3		5
IC 404	3		4, 7		9
IC 405	1		5		9
IC 406	1		5		9
IC 409			17, 18 28	15, 26	
IC 501	7				4
IC 502	3		4,7		9
IC 503	9		3		5
IC 504	3		4,7		9
IC 505	1		5		9
IC 506	1		5		9
IC 509			17, 18 28	15, 26	
IC 601	7				4
IC 602	3		4,7		9
IC 603	9		3		5
IC 604	3		4,7		9
IC 605	1		5		9
IC 606	1		5		9
IC 607	1		2,7		6
IC 608	1		2,7		6
IC 609			17, 18 28	15, 26	
IC 610	2				5
IC 701	7				4
IC 801	Refer to schematic diagram.				
IC 802	Refer to schematic diagram.				
IC 901		20	10		
IC A2		9	16	8	
IC A3		9	16	8	
IC A10		20	10		
IC A11		24	12		
IC A12		16	8		
IC A13		14	7		
IC A14		9	16	8	
IC B2		9	16	8	
IC B3		9	16	8	
IC B4		14	7		
IC B5		20	10		
IC B6		20	10		
IC B7		20	10		
IC B8		20	10		
IC B9		24	12		
IC B10		20	10		
IC B12		14	7		
IC B13		14	7		
IC B14		9	16	8	
IC C1		9	16	8	
IC C2		9	16	8	
IC C3		9	16	8	
IC C4		9	16	8	
IC C5		20	10		
IC C6		20	10		
IC C7		20	10		
IC C8		20	10		
IC C9		24	12		
IC C10		20	10		
IC C12		81, 82 85, 86	83, 84 87, 88		
IC C14		9	16	8	
IC D1		9	16	8	
IC D4		20	10		
IC D5		20	10		
IC D6		20	10		
IC D7		20	10		
IC D8		20	10		
IC D9		24	12		
IC D10		28	14		
IC D11		16	8		
IC D12		14	7		
IC D13		9	16	8	
IC D14		20	10		
IC E1		9	16	8	
IC E2		14	7		
IC E3		20	10		
IC E5		24	12		
IC E6		20	10		
IC E7		24	12		
IC E8		20	10		
IC E9		16	8		
IC E10		14	7		
IC E11		14	7		
IC E12		14	7		
IC E13		9	16	8	
IC F1		9	16	8	
IC F2		20	10		
IC F12		20	10		
IC F13		9	16	8	
IC F14		20	10		
IC G1		9	16	8	
IC G2		14	7		
IC G3		20	10		
IC G5		24	12		
IC G6		20	10		
IC G8		81, 82 85, 86	83, 84 87, 88		
IC G10		16	8		
IC G11		16	8		
IC G12		20	10		
IC G13		14	7		
IC G14		14	7		
IC H1		9	16	8	
IC H2		9	16	8	
IC H3		20	10		
IC H4		20	10		
IC H5		24	12		
IC H6		20	10		
IC H7		20	10		
IC H8		14	7		
IC H9		14	7		
IC H10		14	7		
IC H11		16	8		
IC H14		16	8		

VA-45 BOARD (1/3)

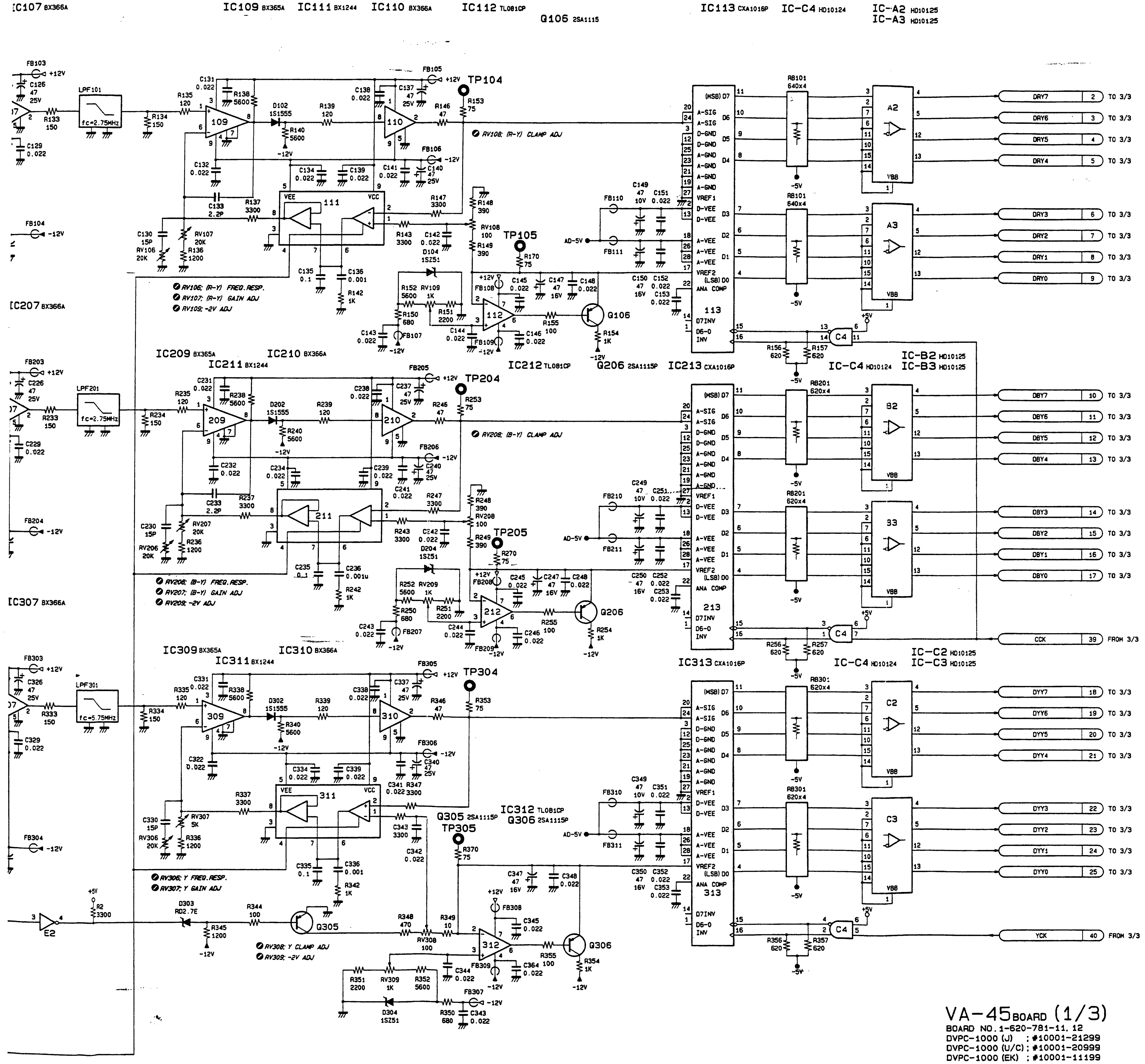
Video A/D, D/A Converter

#10001 TO 21299 (J)
#10001 TO 20999 (UC)
#10001 TO 11199 (EK)

CARD RACK **VA-45 (1/3) BOARD** VA-45 (1/3) BOARD CARD RACK



*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN704)
B: CN102 (CN705)
C: CN103 (CN706)
IV. 253-1
B4c RIN+
B5c RIN-
W101
IV. 253-3
B6a BIN+
B7a BIN-
W201
IV. 253-5
B8c GIN+
B9c GIN-
W301
TP101
TP102
TP103
TP201
TP202
TP203
TP301
TP302
TP303
IC101 BX366A
IC102 MC1595L
Q101 2SC2216
Q102 2SA1005
Q103 2SA1005
IC103 BX365A
IC104 BX365A
IC106 BX1306
IC108 BX1306
IC107 BX366A
IC201 BX366A
IC202 MC1595L
Q201 2SC2216
Q202 2SA1005
Q203 2SA1005
IC203 BX365A
IC204 BX365A
IC206 BX1306
IC208 BX1306
IC207 BX366A
IC301 BX366A
IC302 MC1595L
Q301 2SC2216
Q302 2SA1005
Q303 2SA1005
Q304 2SA1115P
IC303 BX365A
IC304 BX365A
IC305 BX365A
IC306 BX1306
IC308 BX1306
IC307 BX366A
IC-H8 SN74LS10N
IC-E2 TC74HC04P
IC314 TL081CP
XIN (+)
XIN (-)
SCALEX
YIN (+)
YIN (-)
SCALEY
VCC
VEE
RY
RX
OUT (+)
OUT (-)
RV102: SIGNAL GAIN ADJ.
RV101: R(R-Y) SIGNAL OFFSET ADJ.
RV104: MATRIX ADJ.
RV105: (R-Y) GAIN ADJ.
RV202: SIGNAL GAIN ADJ.
RV201: B(B-Y) SIGNAL OFFSET ADJ.
RV204: MATRIX ADJ.
RV205: (B-Y) GAIN ADJ.
RV302: SIGNAL GAIN ADJ.
RV301: G(Y) SIGNAL OFFSET ADJ.
RV305: Y GAIN ADJ.
RV310: INPUT SIGNAL GAIN ADJ.
RV303: OFFSET DELETE
INPUT SIGNAL GAIN PRESET
S101
JP38 OFFSET DEL
JP37
D301 RD2.7E
LPF101 fc=2.75MHz
LPF201 fc=2.75MHz
LPF301 fc=5.75MHz
+12V
-12V
+5V
FROM 3/3 28 525/625
TO 3/3 1 CAM
FROM 3/3 27 RGB/B
FROM 3/3 29 CL1

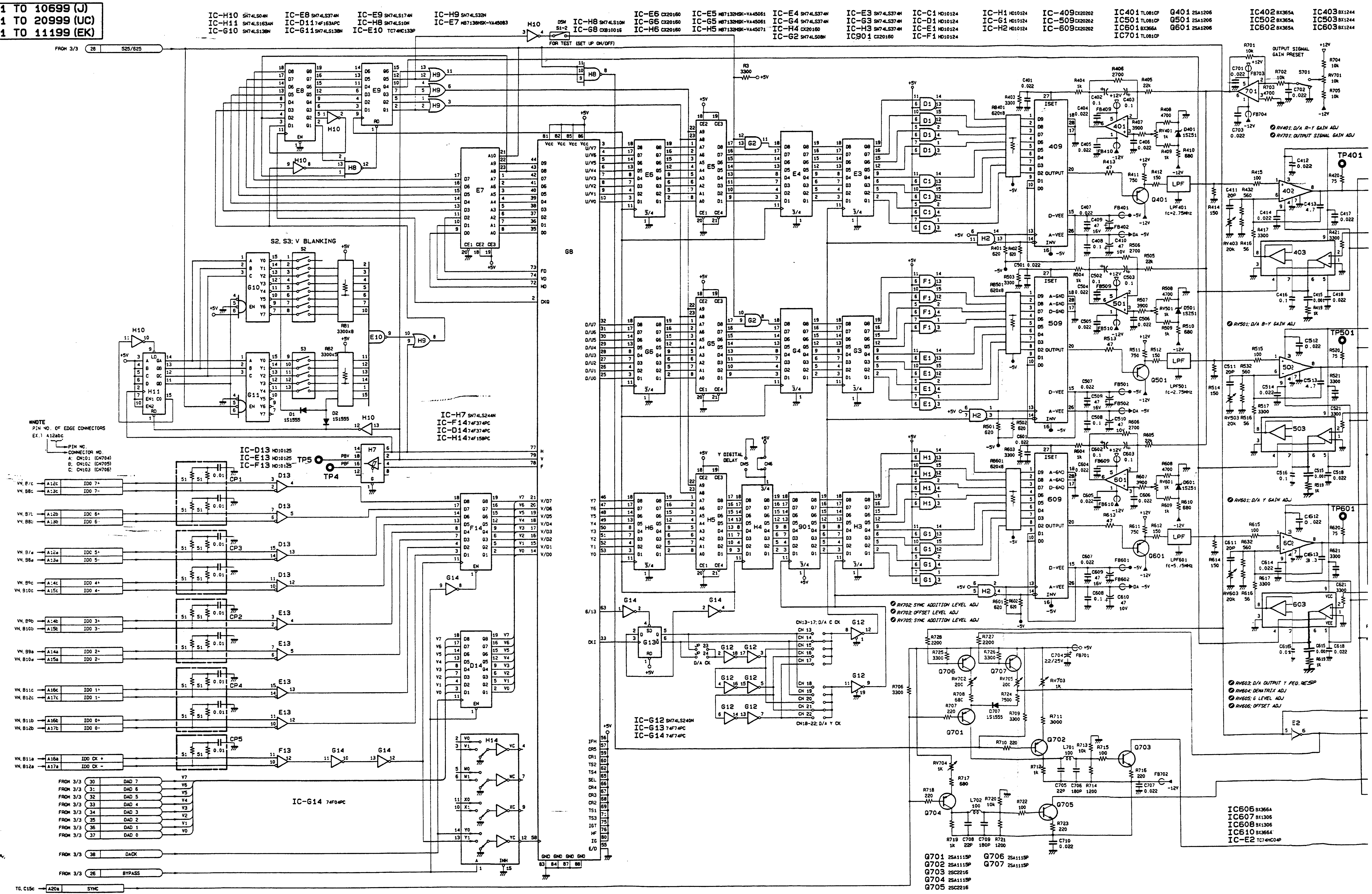

IC107 BX365A
IC109 BX365A
IC111 BX1244
IC110 BX366A
IC112 TL081CP
Q106 2SA1115
IC113 CXA1016P
IC-C4 HD10124
IC-A2 HD10125
IC-A3 HD10125
IC207 BX366A
IC209 BX365A
IC211 BX1244
IC210 BX366A
IC212 TL081CP
Q206 2SA1115P
IC213 CXA1016P
IC-C4 HD10124
IC-B2 HD10125
IC-B3 HD10125
IC307 BX366A
IC309 BX365A
IC311 BX1244
IC310 BX366A
IC312 TL081CP
Q305 2SA1115P
Q306 2SA1115P
IC313 CXA1016P
IC-C4 HD10124
IC-C2 HD10125
IC-C3 HD10125
LPF101 fc=2.75MHz
LPF201 fc=2.75MHz
LPF301 fc=5.75MHz
TP104
TP105
TP204
TP205
TP304
TP305
RV108: (R-Y) CLAMP ADJ
RV106: (R-Y) FREQ. RESP.
RV107: (R-Y) GAIN ADJ
RV109: -2V ADJ
RV208: (B-Y) CLAMP ADJ
RV206: (B-Y) FREQ. RESP.
RV207: (B-Y) GAIN ADJ
RV209: -2V ADJ
RV306: Y FREQ. RESP.
RV307: Y GAIN ADJ
RV308: Y CLAMP ADJ
RV309: -2V ADJ
AD-5V
DRY7 2 TO 3/3
DRY6 3 TO 3/3
DRY5 4 TO 3/3
DRY4 5 TO 3/3
DRY3 6 TO 3/3
DRY2 7 TO 3/3
DRY1 8 TO 3/3
DRY0 9 TO 3/3
DBY7 10 TO 3/3
DBY6 11 TO 3/3
DBY5 12 TO 3/3
DBY4 13 TO 3/3
DBY3 14 TO 3/3
DBY2 15 TO 3/3
DBY1 16 TO 3/3
DBY0 17 TO 3/3
CCK 39 FROM 3/3
DYY7 18 TO 3/3
DYY6 19 TO 3/3
DYY5 20 TO 3/3
DYY4 21 TO 3/3
DYY3 22 TO 3/3
DYY2 23 TO 3/3
DYY1 24 TO 3/3
DYY0 25 TO 3/3
YCK 40 FROM 3/3

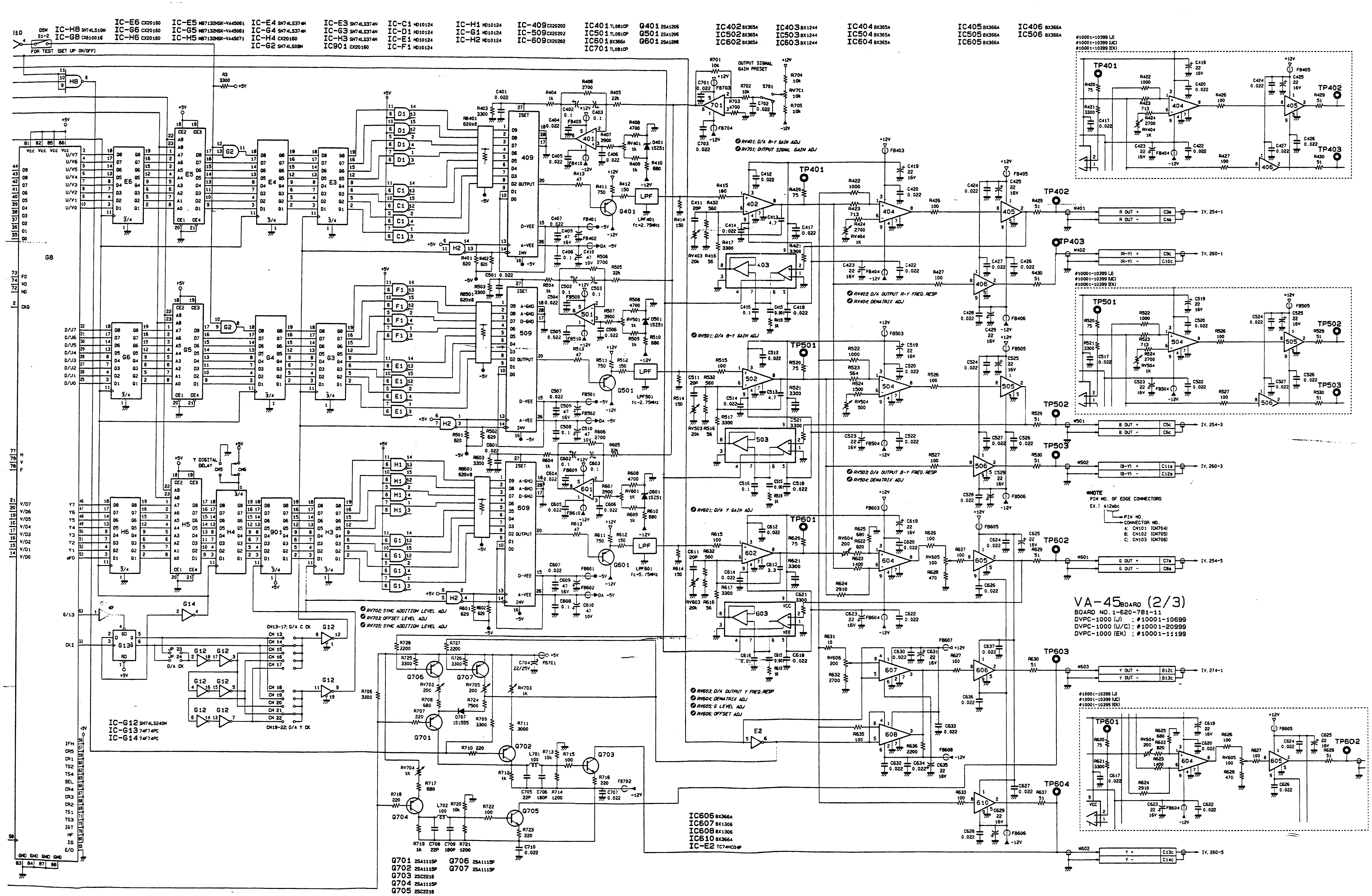
VA-45BOARD (1/3)
BOARD NO. 1-620-781-11, 12
DVPC-1000 (J) : #10001-21299
DVPC-1000 (U/C) : #10001-20999
DVPC-1000 (EK) : #10001-11199

VA-45 BOARD (2/3)

Video A/D, D/A Converter

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 11199 (EK)


IC-H10 SN74LS04N
IC-H11 SN74LS163AN
IC-G10 SN74LS138N
IC-E8 SN74LS374N
IC-D11 74F163APC
IC-G11 SN74LS138N
IC-E9 SN74LS174N
IC-H8 SN74LS10N
IC-E10 TC74HC133P
IC-H9 SN74LS32N
IC-E7 MB7138HSK-VA45083
H10
DSW S1-2
FOR TEST (SET UP ON/OFF)
IC-H8 SN74LS10N
IC-G8 CXB1001S
IC-E6 CX20160
IC-G6 CX20160
IC-H6 CX20160
IC-E5 MB7132HSK-VA45061
IC-G5 MB7132HSK-VA45061
IC-H5 MB7132HSK-VA45071
IC-E4 SN74LS374N
IC-G4 SN74LS374N
IC-H4 CX20160
IC-G2 SN74LS08N
IC-E3 SN74LS374N
IC-G3 SN74LS374N
IC-H3 SN74LS374N
IC901 CX20160
IC-C1 HD10124
IC-D1 HD10124
IC-E1 HD10124
IC-F1 HD10124
IC-H1 HD10124
IC-G1 HD10124
IC-H2 HD10124
IC-409 CX20202
IC-509 CX20202
IC-609 CX20202
IC401 TL081CP
IC501 TL081CP
IC601 BX366A
IC701 TL081CP
Q401 2SA1206
Q501 2SA1206
Q601 2SA1206
IC402 BX365A
IC502 BX365A
IC602 BX365A
IC403 BX1244
IC503 BX1244
IC603 BX1244
OUTPUT SIGNAL GAIN PRESET
FROM 3/3 28 525/625
S2, S3: V BLANKING
RB1 3300x8
RB2 3300x5
D1 1S1555
D2 1S1555
#NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN704)
B: CN102 (CN705)
C: CN103 (CN706)
IC-H7 SN74LS244N
IC-F14 74F374PC
IC-D14 74F374PC
IC-H14 74F158PC
IC-D13 HD10125
IC-E13 HD10125
IC-F13 HD10125
TP5
TP4
CP1
CP2
CP3
CP4
CP5
IDO 7+
IDO 7-
IDO 6+
IDO 6-
IDO 5+
IDO 5-
IDO 4+
IDO 4-
IDO 3+
IDO 3-
IDO 2+
IDO 2-
IDO 1+
IDO 1-
IDO 0+
IDO 0-
IDO CK +
IDO CK -
FROM 3/3 30 DAD 7
FROM 3/3 31 DAD 6
FROM 3/3 32 DAD 5
FROM 3/3 33 DAD 4
FROM 3/3 34 DAD 3
FROM 3/3 35 DAD 2
FROM 3/3 36 DAD 1
FROM 3/3 37 DAD 0
FROM 3/3 38 DACK
FROM 3/3 26 BYPASS
TG, C15c A20a SYNC
IC-G14 74F04PC
Y DIGITAL DELAY
CN13-17: D/A C CK
CN18-22: D/A Y CK
D/A CK
IC-G12 SN74LS240N
IC-G13 74F74PC
IC-G14 74F74PC
RV401: D/A R-Y GAIN ADJ
RV701: OUTPUT SIGNAL GAIN ADJ
RV501: D/A B-Y GAIN ADJ
RV601: D/A Y GAIN ADJ
RV603: D/A OUTPUT Y FEQ. RESP
RV604: DEMATRIX ADJ
RV605: G LEVEL ADJ
RV606: OFFSET ADJ
RV702: SYNC ADDITION LEVEL ADJ
RV703: OFFSET LEVEL ADJ
RV705: SYNC ADDITION LEVEL ADJ
LPF401 fc=2.75MHz
LPF501 fc=2.75MHz
LPF601 fc=5.75MHz
TP401
TP501
TP601
IC606 BX366A
IC607 BX1306
IC608 BX1306
IC610 BX366A
IC-E2 TC74HC04P
Q701 2SA1115P
Q702 2SA1115P
Q703 2SC2216
Q704 2SA1115P
Q705 2SC2216
Q706 2SA1115P
Q707 2SA1115P

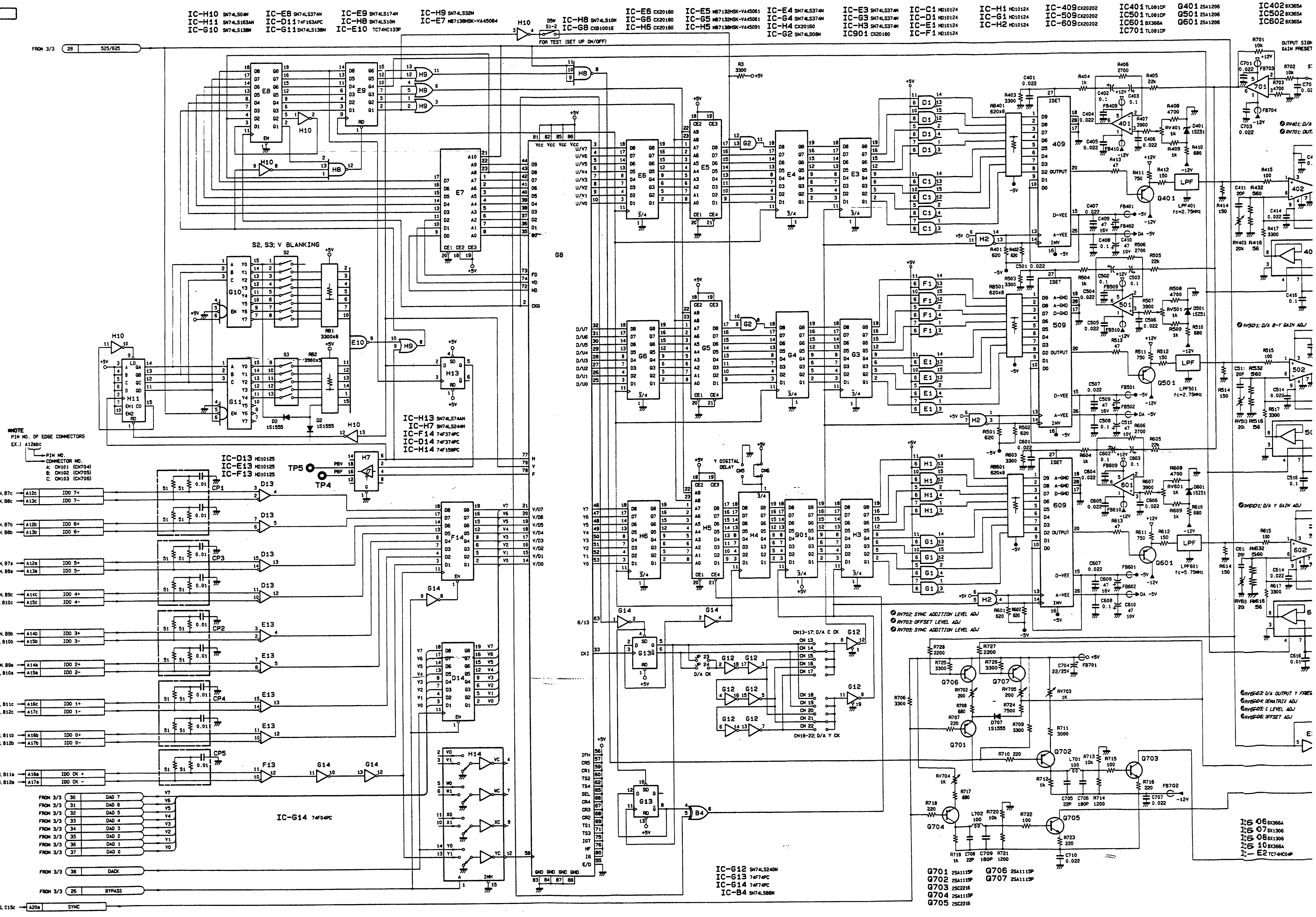

IC-H8 SN74LS10N
IC-G8 CX810016
IC-E6 CX20160
IC-G6 CX20160
IC-H6 CX20160
IC-E5 MB7132HSK-VA45061
IC-G5 MB7132HSK-VA45061
IC-H5 MB7132HSK-VA45071
IC-E4 SN74LS374N
IC-G4 SN74LS374N
IC-H4 CX20160
IC-G2 SN74LS08N
IC-E3 SN74LS374N
IC-G3 SN74LS374N
IC-H3 SN74LS374N
IC901 CX20160
IC-C1 HD10124
IC-D1 HD10124
IC-E1 HD10124
IC-F1 HD10124
IC-H1 HD10124
IC-G1 HD10124
IC-H2 HD10124
IC-409 CX20202
IC-509 CX20202
IC-609 CX20202
IC401 TL081CP
IC501 TL081CP
IC601 BX366A
IC701 TL081CP
Q401 2SA1206
Q501 2SA1206
Q601 2SA1206
IC402 BX365A
IC502 BX365A
IC602 BX365A
IC403 BX1244
IC503 BX1244
IC603 BX1244
IC404 BX365A
IC504 BX365A
IC604 BX365A
IC405 BX366A
IC505 BX366A
IC605 BX366A
IC406 BX366A
IC506 BX366A
DSW S1-2
FOR TEST (SET UP ON/OFF)
OUTPUT SIGNAL GAIN PRESET
RV401: D/A R-Y GAIN ADJ
RV701: OUTPUT SIGNAL GAIN ADJ
RV403: D/A OUTPUT R-Y FREQ.RESP
RV404: DEMATRIX ADJ
RV501: D/A B-Y GAIN ADJ
RV503: D/A OUTPUT B-Y FREQ.RESP
RV504: DEMATRIX ADJ
RV601: D/A Y GAIN ADJ
RV603: D/A OUTPUT Y FREQ.RESP
RV604: DEMATRIX ADJ
RV605: G LEVEL ADJ
RV606: OFFSET ADJ
RV702: SYNC ADDITION LEVEL ADJ
RV703: OFFSET LEVEL ADJ
RV705: SYNC ADDITION LEVEL ADJ
Y DIGITAL DELAY
CN13-17: D/A C CK
CN18-22: D/A Y CK
IC-G12 SN74LS240N
IC-G13 74F74PC
IC-G14 74F74PC
TP401
TP402
TP403
TP501
TP502
TP503
TP601
TP602
TP603
TP604
LPF
LPF401 fc=2.75MHz
LPF501 fc=2.75MHz
LPF601 fc=5.75MHz
R OUT +
R OUT −
(R-Y) +
(R-Y) −
B OUT +
B OUT −
(B-Y) +
(B-Y) −
G OUT +
G OUT −
Y OUT +
Y OUT −
Y +
Y −
IV, 254-1
IV, 260-1
IV, 254-3
IV, 260-3
IV, 254-5
IV, 274-1
IV, 260-5
#10001-10399 (J)
#10001-10399 (UC)
#10001-10399 (EK)
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN704)
B: CN102 (CN705)
C: CN103 (CN706)
IC606 BX366A
IC607 BX1306
IC608 BX1306
IC610 BX366A
IC-E2 TC74HC04P
Q701 2SA1115P
Q702 2SA1115P
Q703 2SC2216
Q704 2SA1115P
Q705 2SC2216
Q706 2SA1115P
Q707 2SA1115P

VA-45 BOARD (2/3)
BOARD NO. 1-620-781-11
DVPC-1000 (J) : #10001-10699
DVPC-1000 (U/C) : #10001-20999
DVPC-1000 (EK) : #10001-11199

VA-45 BOARD (2/3)

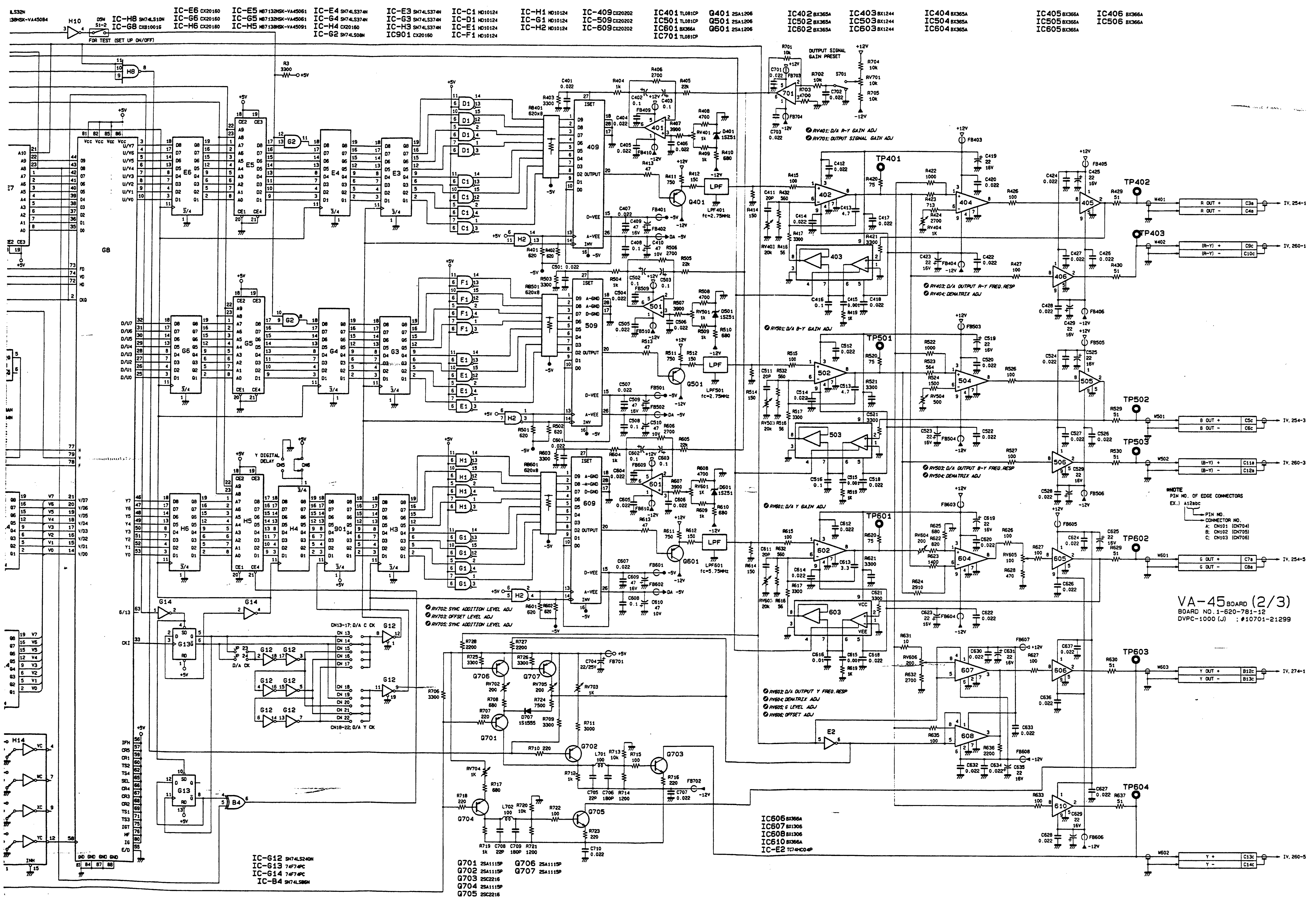
Video A/D, D/A Converter

#10701 TO 21299 (J)


IC-H10 SN74LS04N
IC-H11 SN74LS163AN
IC-G10 SN74LS138N
IC-E8 SN74LS374N
IC-D11 74F163APC
IC-G11 SN74LS138N
IC-E9 SN74LS174N
IC-H8 SN74LS10N
IC-E10 TC74HC133P
IC-H9 SN74LS32N
IC-E7 MB7138HSK-VA45084
IC-H8 SN74LS10N
IC-G8 CXB10016
FOR TEST (SET UP ON/OFF)
IC-E6 CX20160
IC-G6 CX20160
IC-H6 CX20160
IC-E5 MB7132HSK-VA45061
IC-G5 MB7132HSK-VA45061
IC-H5 MB7138HSK-VA45091
IC-E4 SN74LS374N
IC-G4 SN74LS374N
IC-H4 CX20160
IC-H3 SN74LS374N
IC-G2 SN74LS08N
IC-E3 SN74LS374N
IC-G3 SN74LS374N
IC901 CX20160
IC-C1 MD10124
IC-D1 MD10124
IC-E1 MD10124
IC-F1 MD10124
IC-H1 MD10124
IC-G1 MD10124
IC-H2 MD10124
IC-409 CX20202
IC-509 CX20202
IC-609 CX20202
IC401 TL081CP
IC501 TL081CP
IC601 BX366A
IC701 TL081CP
Q401 2SA1206
Q501 2SA1206
Q601 2SA1206
IC402 BX365A
IC502 BX365A
IC602 BX365A
S2, S3; V BLANKING
IC-H13 SN74LS74AN
IC-H7 SN74LS244N
IC-F14 74F374PC
IC-D14 74F374PC
IC-H14 74F158PC
IC-D13 MD10125
IC-E13 MD10125
IC-F13 MD10125
TP5
TP4
Y DIGITAL DELAY
IC-G14 74F04PC
IC-G12 SN74LS240N
IC-G13 74F74PC
IC-G14 74F74PC
IC-B4 SN74LS86N
CN13-17: D/A C CK
CN18-22: D/A Y CK
RV702: SYNC ADDITION LEVEL ADJ
RV703: OFFSET LEVEL ADJ
RV705: SYNC ADDITION LEVEL ADJ
RV401: D/A
RV701: OUT
RV501: D/A B-Y GAIN ADJ
RV601: D/A Y GAIN ADJ
LPF401 fc=2.75MHz
LPF501 fc=2.75MHz
LPF601 fc=5.75MHz
Q701 2SA1115P
Q702 2SA1115P
Q703 2SC2216
Q704 2SA1115P
Q705 2SC2216
Q706 2SA1115P
Q707 2SA1115P
IC606 BX366A
IC607 BX1306
IC608 BX1306
IC610 BX366A
IC-E2 TC74HC04P
*NOTE PIN NO. OF EDGE CONNECTORS
EX.) A12abc → PIN NO. → CONNECTOR NO.
A: CN101 (CN704)
B: CN102 (CN705)
C: CN103 (CN706)
FROM 3/3 28 525/625
FROM 3/3 38 DACK
FROM 3/3 26 BYPASS
TG, C15c A20a SYNC

B-31 (b)

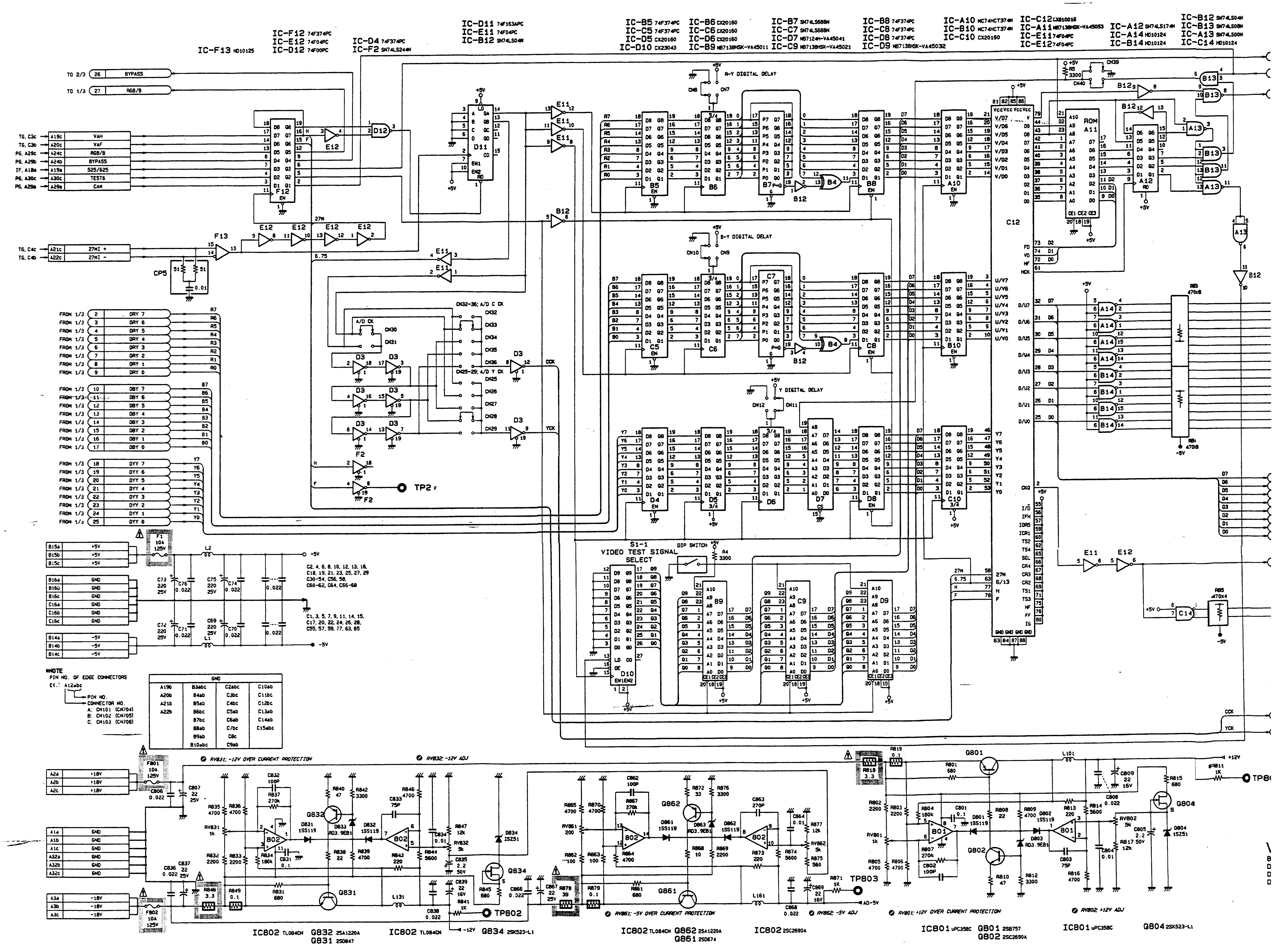
B-32 (b)

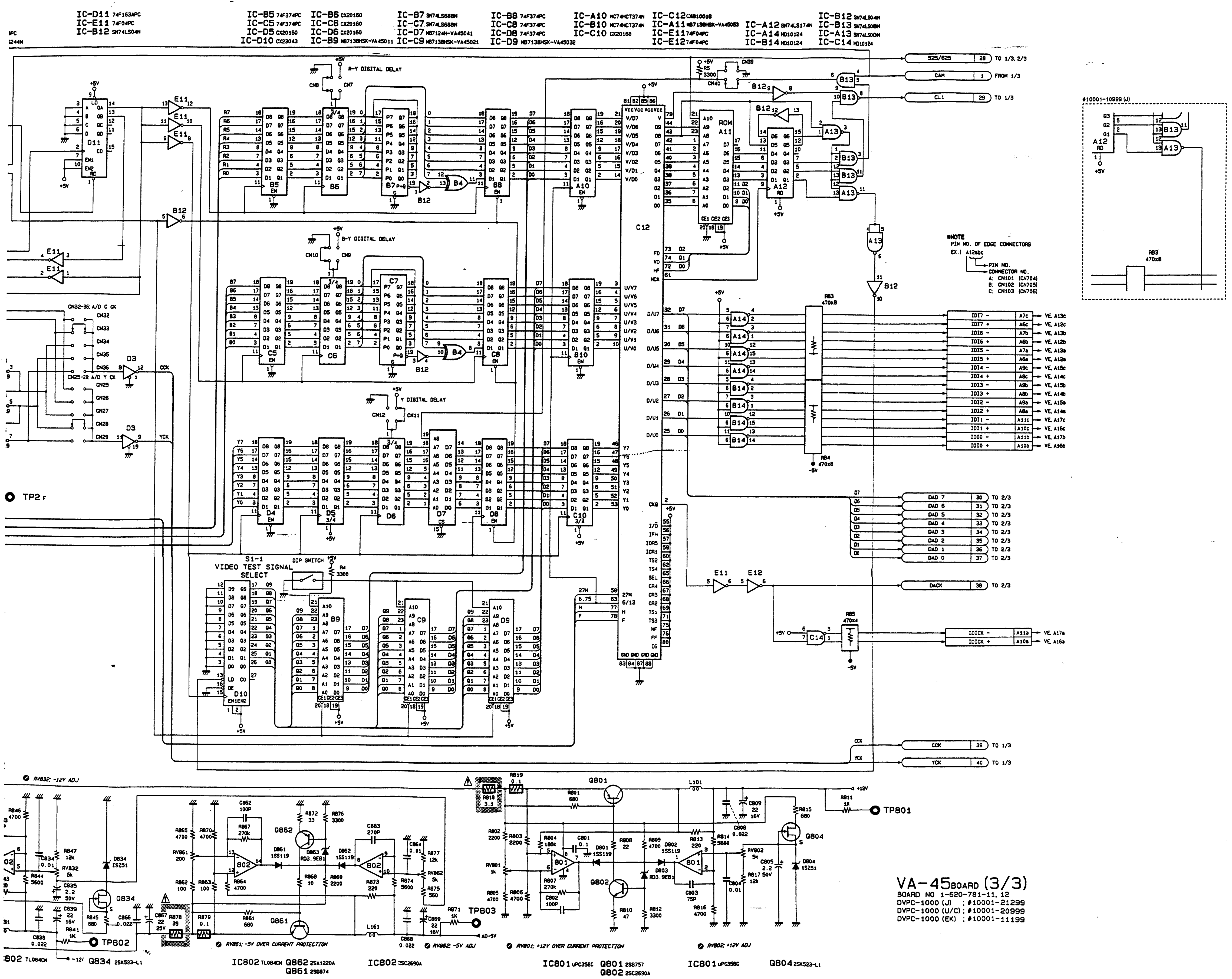

IC-E6 CX20160
IC-G6 CX20160
IC-H6 CX20160
IC-E5 MB7132HSK-VA45061
IC-G5 MB7132HSK-VA45061
IC-H5 MB7138HSK-VA45091
IC-E4 SN74LS374N
IC-G4 SN74LS374N
IC-H4 CX20160
IC-G2 SN74LS08N
IC-E3 SN74LS374N
IC-G3 SN74LS374N
IC-H3 SN74LS374N
IC901 CX20160
IC-C1 HD10124
IC-D1 HD10124
IC-E1 HD10124
IC-F1 HD10124
IC-H1 HD10124
IC-G1 HD10124
IC-H2 HD10124
IC-409 CX20202
IC-509 CX20202
IC-609 CX20202
IC401 TL081CP
IC501 TL081CP
IC601 BX366A
IC701 TL081CP
Q401 2SA1206
Q501 2SA1206
Q601 2SA1206
IC402 BX365A
IC502 BX365A
IC602 BX365A
IC403 BX1244
IC503 BX1244
IC603 BX1244
IC404 BX365A
IC504 BX365A
IC604 BX365A
IC405 BX365A
IC505 BX366A
IC605 BX366A
IC406 BX366A
IC506 BX366A
IC-H8 SN74LS10N
IC-G8 CXB10016
H10
S1-2
FOR TEST (SET UP ON/OFF)
OUTPUT SIGNAL GAIN PRESET
RV401: D/A R-Y GAIN ADJ
RV701: OUTPUT SIGNAL GAIN ADJ
RV403: D/A OUTPUT R-Y FREQ.RESP
RV404: DEMATRIX ADJ
RV501: D/A B-Y GAIN ADJ
RV503: D/A OUTPUT B-Y FREQ.RESP
RV504: DEMATRIX ADJ
RV601: D/A Y GAIN ADJ
RV603: D/A OUTPUT Y FREQ.RESP
RV604: DEMATRIX ADJ
RV605: G LEVEL ADJ
RV606: OFFSET ADJ
RV702: SYNC ADDITION LEVEL ADJ
RV703: OFFSET LEVEL ADJ
RV705: SYNC ADDITION LEVEL ADJ
Y DIGITAL DELAY
CN13-17: D/A C CK
CN18-22: D/A Y CK
D/A CK
LPF401 fc=2.75MHz
LPF501 fc=2.75MHz
LPF601 fc=5.75MHz
TP401
TP402
TP403
TP501
TP502
TP503
TP601
TP602
TP603
TP604
R OUT + C3a
R OUT − C4a
IV, 254-1
(R-Y) + C9c
(R-Y) − C10c
IV, 260-1
B OUT + C5c
B OUT − C6c
IV, 254-3
(B-Y) + C11a
(B-Y) − C12a
IV, 260-3
G OUT + C7a
G OUT − C8a
IV, 254-5
Y OUT + B12c
Y OUT − B13c
IV, 274-1
Y + C13c
Y − C14c
IV, 260-5
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN704)
B: CN102 (CN705)
C: CN103 (CN706)
VA-45 BOARD (2/3)
BOARD NO.1-620-781-12
DVPC-1000(J) : #10701-21299
IC-G12 SN74LS240N
IC-G13 74F74PC
IC-G14 74F74PC
IC-B4 SN74LS86N
Q701 2SA1115P
Q702 2SA1115P
Q703 2SC2216
Q704 2SA1115P
Q705 2SC2216
Q706 2SA1115P
Q707 2SA1115P
IC606 BX366A
IC607 BX1306
IC608 BX1306
IC610 BX366A
IC-E2 TC74HC04P

VA-45 BOARD (3/3)

Video A/D, D/A Converter

#10001 TO 21299 (J)
#10001 TO 20999 (UC)
#10001 TO 11199 (EK)


IC-F13 HD10125
IC-F12 74F374PC
IC-E12 74F04PC
IC-D12 74F00PC
IC-D4 74F374PC
IC-F2 SN74LS244N
IC-D11 74F163APC
IC-E11 74F04PC
IC-B12 SN74LS04N
IC-B5 74F374PC
IC-C5 74F374PC
IC-D5 CX20160
IC-D10 CX23043
IC-B6 CX20160
IC-C6 CX20160
IC-D6 CX20160
IC-B9 MB7138HSK-VA45011
IC-B7 SN74LS688N
IC-C7 SN74LS688N
IC-D7 MB7124H-VA45041
IC-C9 MB7138HSK-VA45021
IC-B8 74F374PC
IC-C8 74F374PC
IC-D8 74F374PC
IC-D9 MB7138HSK-VA45032
IC-A10 MC74HCT374N
IC-B10 MC74HCT374N
IC-C10 CX20160
IC-C12 CXB10016
IC-A11 MB7138HSK-VA45053
IC-E11 74F04PC
IC-E12 74F04PC
IC-A12 SN74LS174N
IC-A14 HD10124
IC-B14 HD10124
IC-B12 SN74LS04N
IC-B13 SN74LS08N
IC-A13 SN74LS00N
IC-C14 HD10124
R-Y DIGITAL DELAY
B-Y DIGITAL DELAY
Y DIGITAL DELAY
CN32-36; A/D C CK
CN25-29; A/D Y CK
A/D CK
TP2
S1-1 VIDEO TEST SIGNAL SELECT
DIP SWITCH
ROM A11
CCK
YCK
BYPASS
R6B/8
525/625
TEST6
CAM
VAH
VAF
27MI +
27MI -
CP5
DRY 7
DRY 6
DRY 5
DRY 4
DRY 3
DRY 2
DRY 1
DRY 0
DBY 7
DBY 6
DBY 5
DBY 4
DBY 3
DBY 2
DBY 1
DBY 0
DYY 7
DYY 6
DYY 5
DYY 4
DYY 3
DYY 2
DYY 1
DYY 0
F1 10A 125V
C2, 4, 6, 8, 10, 12, 13, 16, C18, 19, 21, 23, 25, 27, 29 C30-54, C56, 58, C60-62, C64, C66-68
C1, 3, 5, 7, 9, 11, 14, 15, C17, 20, 22, 24, 26, 28, C55, 57, 59, 77, 63, 65
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.: A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN704)
B: CN102 (CN705)
C: CN103 (CN706)
GND
A19b
A20b
A21b
A22b
B3abc
B4ab
B5ab
B6bc
B7bc
B8ab
B9ab
B10abc
C2abc
C3bc
C4bc
C5ab
C6ab
C7bc
C8c
C9ab
C10ab
C11bc
C12bc
C13ab
C14ab
C15abc
F801 10A 125V
F802 10A 125V
RV831; -12V OVER CURRENT PROTECTION
RV832; -12V ADJ
RV861; -5V OVER CURRENT PROTECTION
RV862; -5V ADJ
RV801; +12V OVER CURRENT PROTECTION
RV802; +12V ADJ
TP802
TP803
IC802 TL084CN
Q832 2SA1220A
Q831 2SD847
IC802 TL084CN
Q834 2SK523-L1
IC802 TL084CN
Q862 2SA1220A
Q861 2SD874
IC802 2SC2690A
IC801 uPC358C
Q801 2SB757
Q802 2SC2690A
IC801 uPC358C
Q804 2SK523-L1

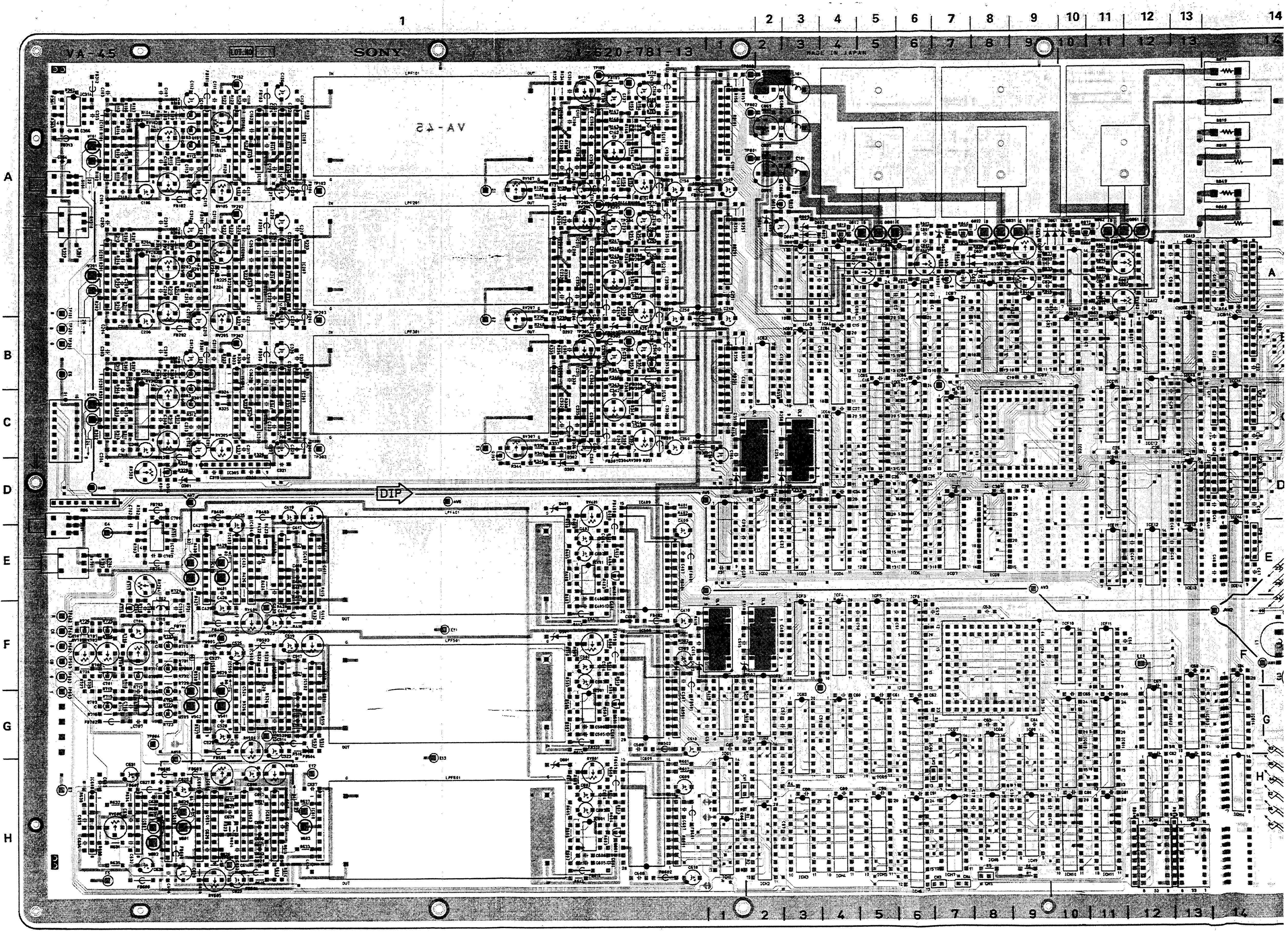

IC-D11 74F163APC
IC-E11 74F04PC
IC-B12 SN74LS04N
IC-B5 74F374PC
IC-C5 74F374PC
IC-D5 CX20160
IC-D10 CX23043
IC-B6 CX20160
IC-C6 CX20160
IC-D6 CX20160
IC-B9 MB7138HSK-VA45011
IC-B7 SN74LS688N
IC-C7 SN74LS688N
IC-D7 MB7124H-VA45041
IC-C9 MB7138HSK-VA45021
IC-B8 74F374PC
IC-C8 74F374PC
IC-D8 74F374PC
IC-D9 MB7138HSK-VA45032
IC-A10 MC74HCT374N
IC-B10 MC74HCT374N
IC-C10 CX20160
IC-C12 CXB10016
IC-A11 MB7138HSK-VA45053
IC-E11 74F04PC
IC-E12 74F04PC
IC-A12 SN74LS174N
IC-A14 HD10124
IC-B14 HD10124
IC-B12 SN74LS04N
IC-B13 SN74LS08N
IC-A13 SN74LS00N
IC-C14 HD10124
R-Y DIGITAL DELAY
B-Y DIGITAL DELAY
Y DIGITAL DELAY
S1-1
VIDEO TEST SIGNAL
SELECT
DIP SWITCH
525/625 28 TO 1/3, 2/3
CAM 1 FROM 1/3
CL1 29 TO 1/3
#NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN704)
B: CN102 (CN705)
C: CN103 (CN706)
#10001-10999 (J)
DAD 7 30 TO 2/3
DAD 6 31 TO 2/3
DAD 5 32 TO 2/3
DAD 4 33 TO 2/3
DAD 3 34 TO 2/3
DAD 2 35 TO 2/3
DAD 1 36 TO 2/3
DAD 0 37 TO 2/3
DACK 38 TO 2/3
CCK 39 TO 1/3
YCK 40 TO 1/3
TP2
TP801
TP802
TP803
RV832: -12V ADJ
RV861: -5V OVER CURRENT PROTECTION
RV862: -5V ADJ
RV801: +12V OVER CURRENT PROTECTION
RV802: +12V ADJ
IC802 TL084CN
Q834 2SK523-L1
IC802 TL084CN
Q862 2SA1220A
Q861 2SD874
IC802 2SC2690A
IC801 uPC358C
Q801 2SB757
Q802 2SC2690A
IC801 uPC358C
Q804 2SK523-L1

VA-45BOARD (3/3)
BOARD NO 1-620-781-11, 12
DVPC-1000 (J) : #10001-21299
DVPC-1000 (U/C) : #10001-20999
DVPC-1000 (EK) : #10001-11199

VA-45 BOARD (1-620-781-13)

Component Side

#21301 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)


1
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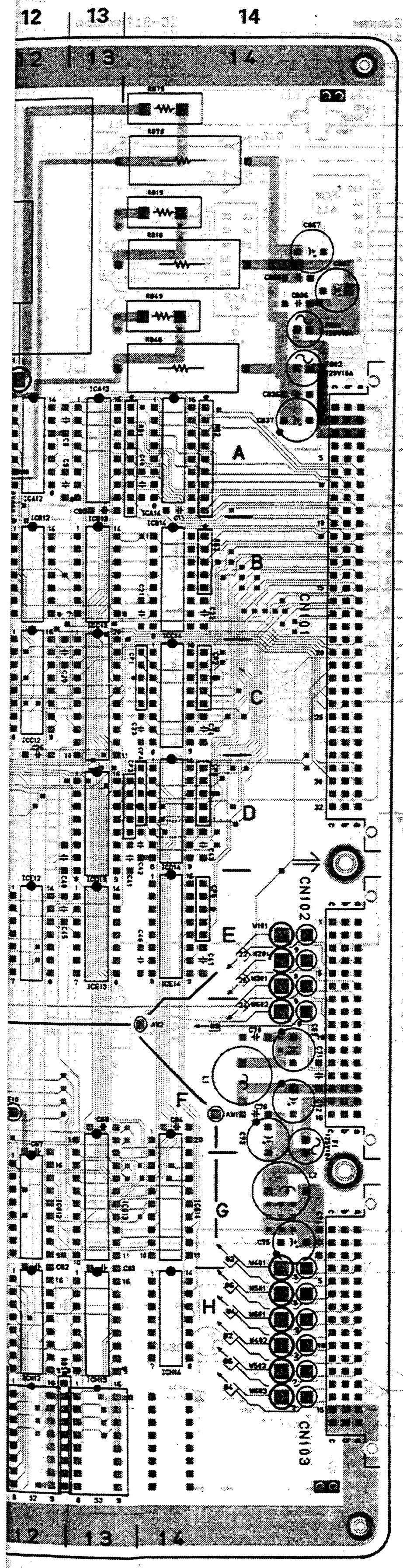
11
12
13
14
A
B
C
D
E
F
G
H
VA-45
SONY
1-620-781-13
MADE IN JAPAN
LPF101
LPF201
LPF301
LPF401
LPF501
LPF601
DIP

1-620-781-13 COMPONENT SIDE

1620-781-13



1-620-781-13 SOLDER SIDE

VA-45 (1-620-781-13)

DVPC-1000

CN1	H1
CN2	H6
CN3	H7
CN4	H7
CN5	H8
CN101M	A14
CN102M	E14
CN103M	E14
CP1	C14
CP2	C14
CP3	D13
CP4	D14
CP5	D14
CP6	E14
D102	A1
D104	A1
D105	D1
D202	B1
D204	B1
D205	D2
D301	D1
D302	C1
D303	D1
D401	D1
D402	F1
D501	F1
D502	F2
D601	H1
D801	A3
D802	A3
D803	A3
D804	A2
D831	A8
D832	A8
D833	A7
D834	A8
D861	A9
D862	A9
D863	A10
DL1	C2
DL2	C3
DL4	F1
DL5	F2
E1	A1
E2	B1
E3	C1
E4	E1
E5	H1
E6	B1
E7	H1
E8	B7
E9	F3
E10	F12
E11	F1
E12	H1
E13	H1
F1	F14
F801	A14
F802	A14
FB101	A1
FB102	A1
FB103	A1
FB104	A1
FB105	A1
FB106	A1
FB107	A1
FB108	A1
FB109	A1
FB110	A1
FB111	A1
FB201	A1
FB202	B1
FB203	A1
FB204	A1
FB205	A1
FB206	A1
FB207	A1
FB208	A1
FB209	A1
FB210	B1
FB211	A1
FB301	B1
FB302	C1
FB303	B1
FB304	C1
FB305	B1
FB306	C1
FB307	C1
FB308	B1
FB309	C1
FB310	C1
FB311	B1
FB312	A1
FB313	A1
FB401	E1
FB402	F1
FB403	D1
FB404	F1
FB405	D1
FB406	F1
FB409	E1
FB410	F1
FB501	F1
FB502	G1
FB503	F1
FB504	G1
FB505	F1
FB506	G1
FB509	F1
FB510	G1
FB601	H1
FB602	H1
FB603	H1
FB604	H1
FB605	H1
FB606	H1
FB607	H1
FB608	H1
FB609	H1
FB610	H1
FB701	F1
FB702	G1
FB703	D1
FB704	E1
IC101	A1
IC102	A1
IC103	A1
IC104	A1
IC106	A1
IC107	A1
IC108	A1
IC109	A1
IC110	A1
IC111	A1
IC112	A1
IC113	A1
IC201	A1
IC202	A1
IC203	A1
IC204	A1
IC206	A1
IC207	A1
IC208	A1
IC209	A1
IC210	A1
IC211	A1
IC212	A1
IC213	A1
IC301	C1
IC302	C1
IC303	C1
IC304	C1
IC305	D1
IC306	C1
IC307	C1
IC308	C1
IC309	C1
IC310	C1
IC311	C1
IC312	C1
IC313	B1
IC314	A1
IC401	E1
IC402	E1
IC403	E1
IC404	E1
IC405	E1
IC406	E1
IC409	D1
IC501	G1
IC502	G1
IC503	G1
IC504	G1
IC505	G1
IC506	G1
IC509	F1
IC601	H1
IC602	H1
IC603	H1
IC604	H1
IC605	H1
IC606	H1
IC607	H1
IC608	H1
IC609	H1
IC610	H1
IC701	E1
IC801	A6
IC802	A10
LPF101	A1
LPF201	A1
LPF301	B1
LPF401	E1
LPF501	G1
LPF601	H1
Q101	A1
Q102	A1
Q103	A1
Q106	A1
Q201	A1
Q202	A1
Q203	A1
Q206	A1
Q301	C1
Q302	B1
Q303	C1
Q304	D1
Q305	C1
Q306	B1
Q401	E1
Q501	G1
Q601	H1
Q701	F1
Q702	F1
Q703	G1
Q704	F1
Q705	G1
Q706	F1
Q707	F1
Q708	F1
Q709	F1
Q710	F1
Q801	A5
Q802	A4
Q804	A2
Q831	A8
Q832	A7
Q834	A7
Q861	A12
Q862	A11
RB1	A14
RB2	A14
RB3	B14
RB4	H12
RB5	H13
RB101	A1
RB201	A1
RB301	B1
RB401	E1
RB501	G1
RB601	H1
RV101	A1
RV102	A1
RV104	A1
RV105	A1
RV106	A1
RV107	A1
RV108	A1
RV109	A1
RV201	A1
RV202	A1
RV204	A1
RV205	B1
RV205	A1
RV206	A1
RV207	B1
RV208	A1
RV209	A1
RV301	C1
RV302	C1
RV303	D1
RV305	C1
RV306	B1
RV307	C1
RV308	C1
RV309	C1
RV310	A1
RV401	D1
RV403	D1
RV404	F1
RV501	F1
RV503	F1
RV504	G1
RV601	H1
RV603	H1
RV604	H1
RV605	H1
RV606	H1
RV701	E1
RV702	F1
RV703	F1
RV704	E1
RV705	F1
RV801	A6
RV802	A5
RV831	A9
RV832	A9
RV861	A12
RV862	A12
S101	A1
S701	D1
TP101	A1
TP102	A1
TP103	A1
TP104	A1
TP105	A1
TP201	B1
TP202	A1
TP203	B1
TP204	A1
TP205	A1
TP301	B1
TP302	B1
TP303	C1
TP304	B1
TP305	B1
TP401	F1
TP402	F1
TP403	F1
TP501	G1
TP502	F1
TP503	F1
TP601	H1
TP602	F1
TP603	F1
TP604	G1
TP801	A1
TP802	A1
TP803	A1

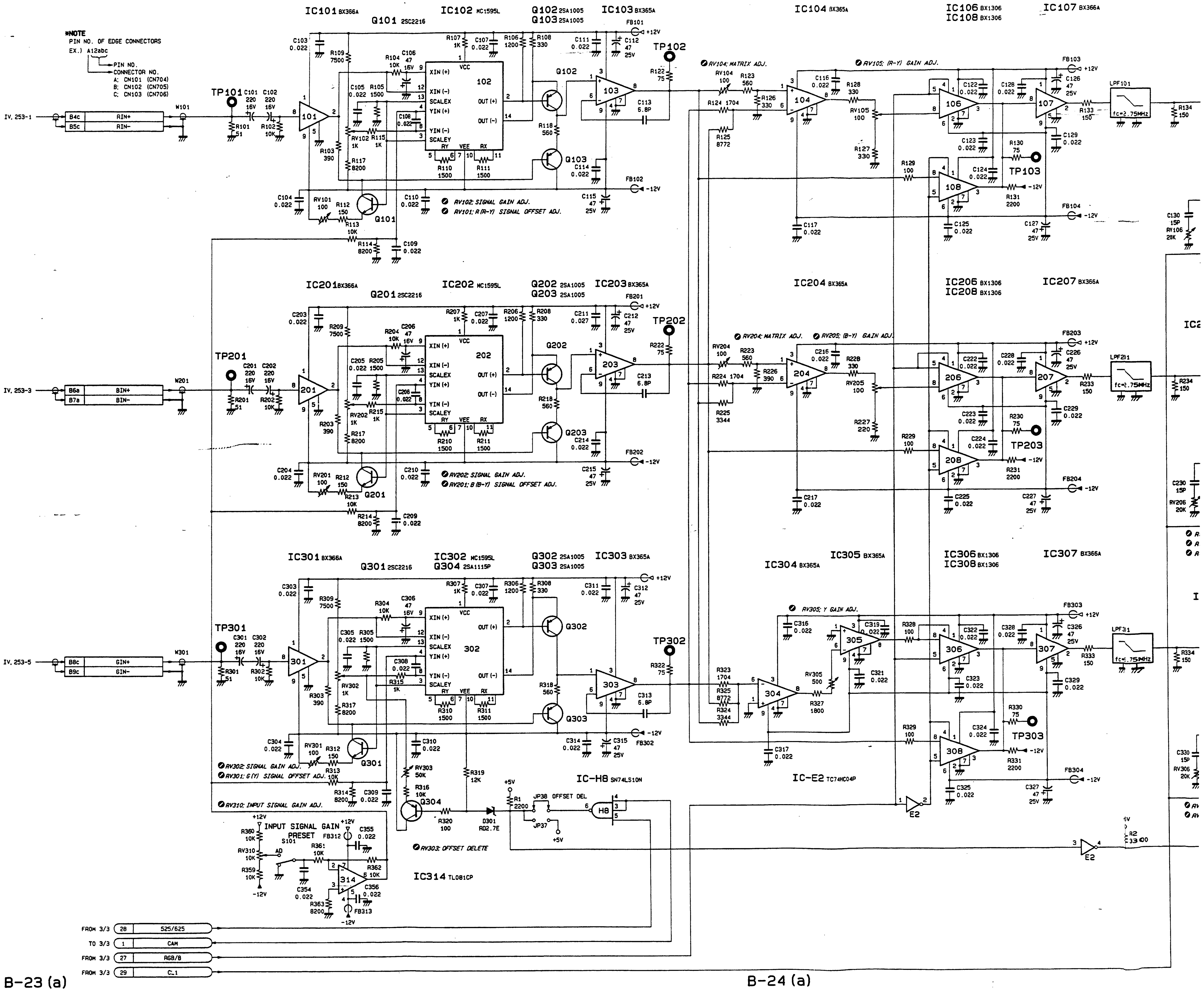
VA-45 BOARD

Ref. No.	Pin No.				
	+12V	+5V	GND	−5V	−12V
IC 101	1		5		9
IC 102	Refer to schematic diagram.				
IC 103	3		4, 7		9
IC 104	3		4, 7		9
IC 106	1		2, 7		6
IC 107	1		5		9
IC 108	1		2, 7		6
IC 109	3		4, 7		9
IC 110	1		5		9
IC 111	9		3		5
IC 112	7				4
IC 113			3, 12 19, 21 23, 25	2, 13 18, 26 28	
IC 201	1		5		9
IC 202	Refer to schematic diagram.				
IC 203	3		4, 7		9
IC 204	3		4, 7		9
IC 206	1		2, 7		6
IC 207	1		5		9
IC 208	1		2, 7		6
IC 209	3		4, 7		9
IC 210	1		5		9
IC 211	9		3		5
IC 212	7				4
IC 213			3, 12 19, 21 23, 25	2, 13 18, 26 28	
IC 301	1		5		9
IC 302	Refer to schematic diagram.				
IC 303	3		4, 7		9
IC 304	3		4, 7		9
IC 305	3		4, 7		9
IC 306	1		2, 7		6
IC 307	1		5		9
IC 308	1		2, 7		6
IC 309	3		4, 7		9
IC 310	1		5		9
IC 311	9		3		5
IC 312	7				4
IC 313			3, 12 19, 21 23, 25	2, 13 18, 26 28	
IC 314	7				4
IC 401	7				4
IC 402	3		4, 7		9
IC 403	9		3		5
IC 404	3		4, 7		9
IC 405	1		5		9
IC 406	1		5		9
IC 409			17, 18 28	15, 26	
IC 501	7				4
IC 502	3		4, 7		9
IC 503	9		3		5
IC 504	3		4, 7		9
IC 505	1		5		9
IC 506	1		5		9
IC 509			17, 18 28	15, 26	
IC 601	7				4
IC 602	3		4, 7		9
IC 603	9		3		5
IC 604	3		4, 7		9
IC 605	1		5		9
IC 606	1		5		9
IC 607	1		2, 7		6
IC 608	1		2, 7		6
IC 609			17, 18 28	15, 26	
IC 610	2				5
IC 701	7				4
IC 801	Refer to schematic diagram.				
IC 802	Refer to schematic diagram.				
IC 901		20	10		
IC A3		15	6, 16	5	
IC A4		20	10		
IC A12		14	7		
IC A13		9	16	8	
IC A14		9	16	8	
IC B2			1, 16	8	
IC B3		15	6, 16	5	
IC B4		20	10		
IC B5		24	12		
IC B6		24	12		
IC B7		20	10		
IC B8		24	12		
IC B9		20	10		
IC B10		14	7		
IC B11		14	7		
IC B12		14	7		
IC B13		14	7		
IC B14		9	16	8	
IC C4		20	10		
IC C5		24	12		
IC C6		24	12		
IC C7		20	10		
IC C9		81, 82 85, 86	83, 84 87, 88		
IC C11		14	7		
IC C12		16	8		
IC C13		20	10		
IC C14		9	16	8	
IC D1		9	16	8	
IC D2		15	6, 16	5	
IC D3		20	10		
IC D4		20	10		
IC D5		24	12		
IC D6		24	12		
IC D7		20	10		
IC D8		28	14		
IC D11		14	7		
IC D13		9	16	8	
IC D14		9	16	8	
IC E11		14	7		
IC E12		14	7		
IC E13		14	7		
IC E14		9	16	8	
IC F1			1, 16	8	
IC F2		9	16	8	
IC F3		15	6	5	
IC F4		20	10		
IC F5		20	10		
IC F6		24	12		
IC F8		81, 82 85, 86	83, 84 87, 88		
IC F10		14	7		
IC F11		15	8		
IC G1		14	7		
IC G2		14	7		
IC G3		15	6	5	
IC G4		20	10		
IC G5		20	10		
IC G6		24	12		
IC G7		14	7		
IC G8		14	7		
IC G9		14	7		
IC G10		24	12		
IC G11		24	12		
IC G12		16	8		
IC G13		20	10		
IC G14		20	10		
IC H1		14	7		
IC H2		15	6	5	
IC H3		20	10		
IC H4		20	10		
IC H5		20	10		
IC H6		24	12		
IC H7		20	10		
IC H8		16	8		
IC H9		16	8		
IC H10		20	10		
IC H11		20	10		
IC H12		16	8		
IC H13		16	8		
IC H14		14	7		

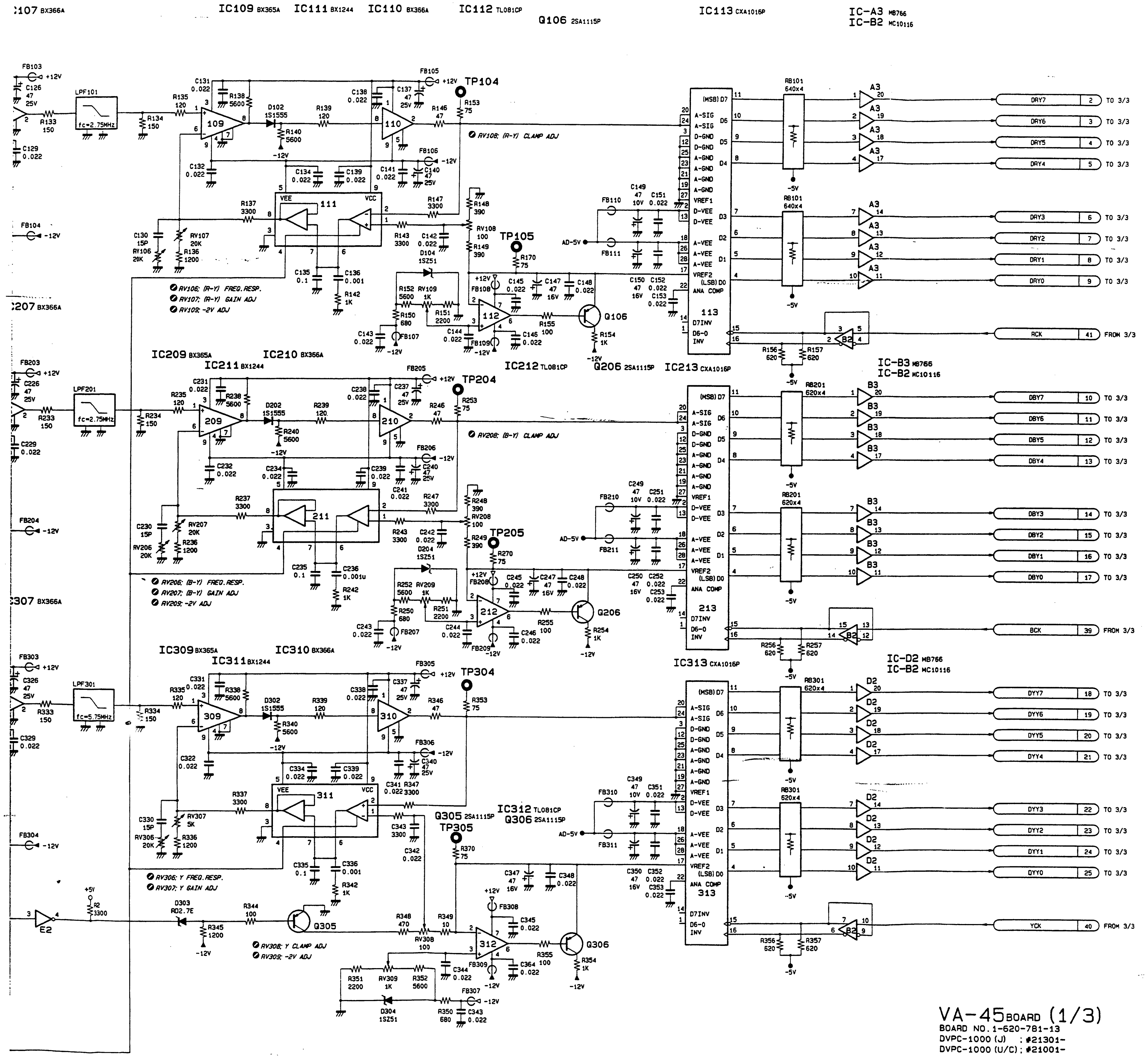
VA-45 BOARD (1/3)

Video A/D, D/A Converter

#21301 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)



*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN704)
B: CN102 (CN705)
C: CN103 (CN706)
IC101 BX366A
Q101 2SC2216
IC102 MC1595L
Q102 2SA1005
Q103 2SA1005
IC103 BX365A
IC104 BX365A
IC106 BX1306
IC108 BX1306
IC107 BX366A
IC201 BX366A
Q201 2SC2216
IC202 MC1595L
Q202 2SA1005
Q203 2SA1005
IC203 BX365A
IC204 BX365A
IC206 BX1306
IC208 BX1306
IC207 BX366A
IC301 BX366A
Q301 2SC2216
IC302 MC1595L
Q304 2SA1115P
Q302 2SA1005
Q303 2SA1005
IC303 BX365A
IC304 BX365A
IC305 BX365A
IC306 BX1306
IC308 BX1306
IC307 BX366A
IC-H8 SN74LS10N
IC-E2 TC74HC04P
IC314 TL081CP
TP101
TP102
TP103
TP201
TP202
TP203
TP301
TP302
TP303
IV. 253-1
IV. 253-3
IV. 253-5
RIN+
RIN-
BIN+
BIN-
GIN+
GIN-
W101
W201
W301
LPF101
LPF201
LPF31
fc=2.75MHz
+12V
-12V
+5V
RV102: SIGNAL GAIN ADJ.
RV101: R(R-Y) SIGNAL OFFSET ADJ.
RV104: MATRIX ADJ.
RV105: (R-Y) GAIN ADJ.
RV202: SIGNAL GAIN ADJ.
RV201: B(B-Y) SIGNAL OFFSET ADJ.
RV204: MATRIX ADJ.
RV205: (B-Y) GAIN ADJ.
RV305: Y GAIN ADJ.
RV302: SIGNAL GAIN ADJ.
RV301: G(Y) SIGNAL OFFSET ADJ.
RV310: INPUT SIGNAL GAIN ADJ.
RV303: OFFSET DELETE
INPUT SIGNAL GAIN PRESET
S101
AD
JP38 OFFSET DEL
JP37
FROM 3/3 28 525/625
TO 3/3 1 CAM
FROM 3/3 27 RGB/8
FROM 3/3 29 CL1

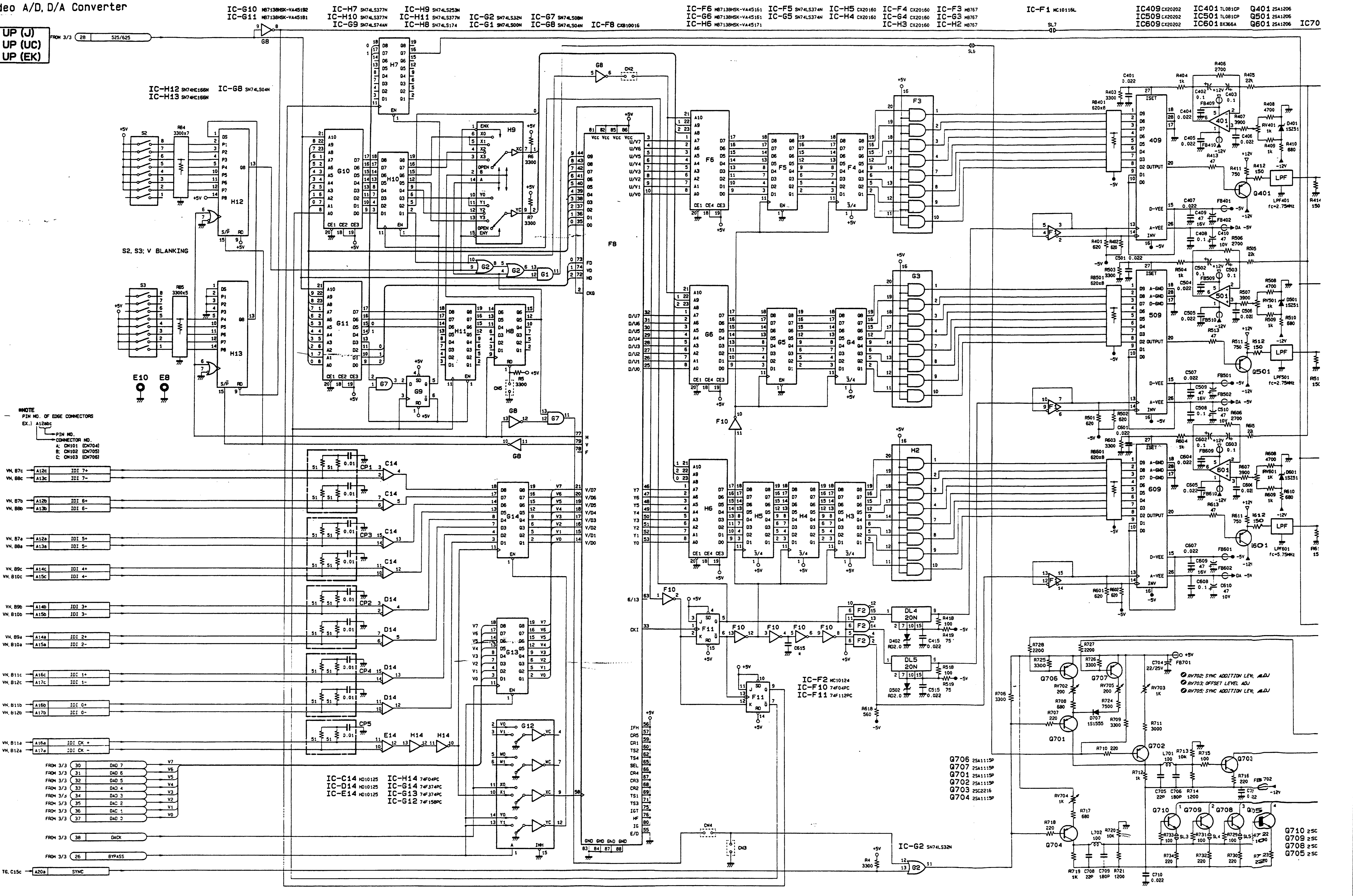

IC109 BX365A
IC111 BX1244
IC110 BX366A
IC112 TL081CP
Q106 2SA1115P
IC113 CXA1016P
IC-A3 MB766
IC-B2 MC10116
IC209 BX365A
IC211 BX1244
IC210 BX366A
IC212 TL081CP
Q206 2SA1115P
IC213 CXA1016P
IC-B3 MB766
IC-B2 MC10116
IC309 BX365A
IC311 BX1244
IC310 BX366A
IC312 TL081CP
Q305 2SA1115P
Q306 2SA1115P
IC313 CXA1016P
IC-D2 MB766
IC-B2 MC10116
LPF101 fc=2.75MHz
LPF201 fc=2.75MHz
LPF301 fc=5.75MHz
TP104
TP105
TP204
TP205
TP304
TP305
RV108: (R-Y) CLAMP ADJ
RV106: (R-Y) FREQ. RESP.
RV107: (R-Y) GAIN ADJ
RV109: -2V ADJ
RV208: (B-Y) CLAMP ADJ
RV206: (B-Y) FREQ. RESP.
RV207: (B-Y) GAIN ADJ
RV209: -2V ADJ
RV306: Y FREQ. RESP.
RV307: Y GAIN ADJ
RV308: Y CLAMP ADJ
RV309: -2V ADJ
DRY7 2 TO 3/3
DRY6 3 TO 3/3
DRY5 4 TO 3/3
DRY4 5 TO 3/3
DRY3 6 TO 3/3
DRY2 7 TO 3/3
DRY1 8 TO 3/3
DRY0 9 TO 3/3
RCK 41 FROM 3/3
DBY7 10 TO 3/3
DBY6 11 TO 3/3
DBY5 12 TO 3/3
DBY4 13 TO 3/3
DBY3 14 TO 3/3
DBY2 15 TO 3/3
DBY1 16 TO 3/3
DBY0 17 TO 3/3
BCK 39 FROM 3/3
DYY7 18 TO 3/3
DYY6 19 TO 3/3
DYY5 20 TO 3/3
DYY4 21 TO 3/3
DYY3 22 TO 3/3
DYY2 23 TO 3/3
DYY1 24 TO 3/3
DYY0 25 TO 3/3
YCK 40 FROM 3/3
AD-5V
+12V
-12V
-5V
(MSB) D7
A-SIG
D-GND
A-GND
VREF1
D-VEE
A-VEE
VREF2
(LSB) D0
ANA COMP
D7INV
D6-0 INV

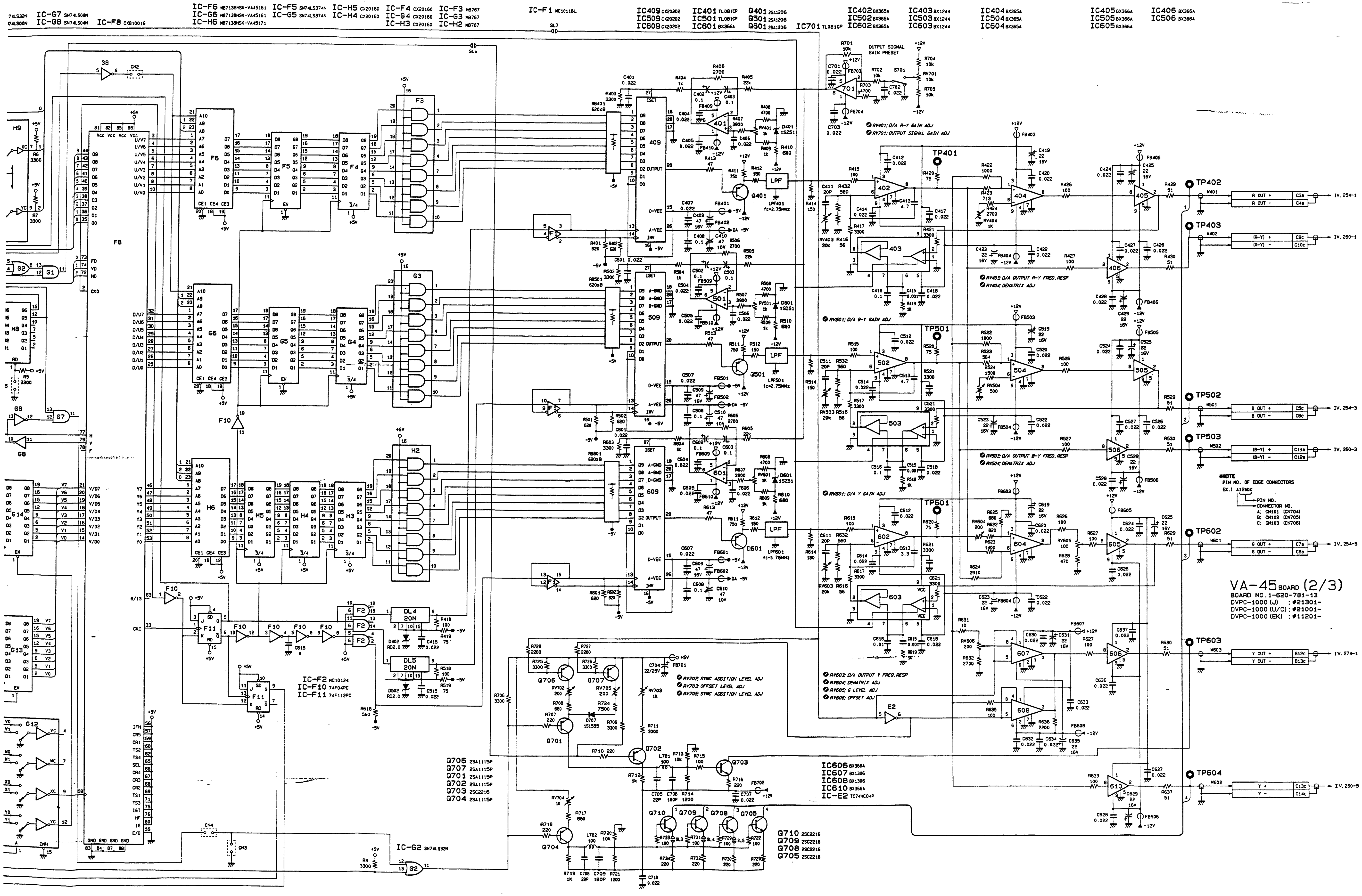
VA-45BOARD (1/3)
BOARD NO. 1-620-781-13
DVPC-1000 (J) ; #21301-
DVPC-1000 (U/C) ; #21001-
DVPC-1000 (EK) ; #11201-

VA-45 BOARD (2/3)

Video A/D, D/A Converter

#21301 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)


IC-G10 MB7138HSK-VA45192
IC-G11 MB7138HSK-VA45181
IC-H7 SN74LS377N
IC-H10 SN74LS377N
IC-G9 SN74LS74AN
IC-H9 SN74LS253N
IC-H11 SN74LS377N
IC-H8 SN74LS174
IC-G2 SN74LS32N
IC-G1 SN74LS00N
IC-G7 SN74LS08N
IC-G8 SN74LS04N
IC-F8 CXB10016
IC-F6 MB7138HSK-VA45161
IC-G6 MB7138HSK-VA45161
IC-H6 MB7138HSK-VA45171
IC-F5 SN74LS374N
IC-G5 SN74LS374N
IC-H5 CX20160
IC-H4 CX20160
IC-F4 CX20160
IC-G4 CX20160
IC-H3 CX20160
IC-F3 MB767
IC-G3 MB767
IC-H2 MB767
IC-F1 MC10116L
IC409 CX20202
IC509 CX20202
IC609 CX20202
IC401 TL081CP
IC501 TL081CP
IC601 BX366A
Q401 2SA1206
Q501 2SA1206
Q601 2SA1206
IC70
IC-H12 SN74HC166N
IC-H13 SN74HC166N
IC-G8 SN74LS04N
S2, S3: V BLANKING
FROM 3/3 28 525/625
E10
E8
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN704)
B: CN102 (CN705)
C: CN103 (CN706)
VN, B7c A12c IDI 7+
VN, B8c A13c IDI 7-
VN, B7b A12b IDI 6+
VN, B8b A13b IDI 6-
VN, B7a A12a IDI 5+
VN, B8a A13a IDI 5-
VN, B9c A14c IDI 4+
VN, B10c A15c IDI 4-
VN, B9b A14b IDI 3+
VN, B10b A15b IDI 3-
VN, B9a A14a IDI 2+
VN, B10a A15a IDI 2-
VN, B11c A16c IDI 1+
VN, B12c A17c IDI 1-
VN, B11b A16b IDI 0+
VN, B12b A17b IDI 0-
VN, B11a A16a IDI CK +
VN, B12a A17a IDI CK -
FROM 3/3 30 DAD 7
FROM 3/3 31 DAD 6
FROM 3/3 32 DAD 5
FROM 3/3 33 DAD 4
FROM 3/3 34 DAD 3
FROM 3/3 35 DAD 2
FROM 3/3 36 DAD 1
FROM 3/3 37 DAD 0
FROM 3/3 38 DACK
FROM 3/3 26 BYPASS
TG, C15c A20a SYNC
CP1
CP2
CP3
CP4
CP5
C14
D14
E14
H14
G14
G13
G12
IC-C14 HD10125
IC-D14 HD10125
IC-E14 HD10125
IC-H14 74F04PC
IC-G14 74F374PC
IC-G13 74F374PC
IC-G12 74F158PC
F8
F10
F11
F2
DL4 20N
DL5 20N
D402 RD2.0
D502 RD2.0
C615
R618 560
IC-F2 MC10124
IC-F10 74F04PC
IC-F11 74F112PC
IC-G2 SN74LS32N
CN2
CN3
CN4
SL6
SL7
F3
G3
H2
409
509
609
LPF
LPF401 fc=2.75MHz
LPF501 fc=2.75MHz
LPF601 fc=5.75MHz
Q401
Q501
Q601
C704 22/25V
FB701
RV702: SYNC ADDITION LEVEL ADJ
RV703: OFFSET LEVEL ADJ
RV705: SYNC ADDITION LEVEL ADJ
Q706 2SA1115P
Q707 2SA1115P
Q701 2SA1115P
Q702 2SA1115P
Q703 2SC2216
Q704 2SA1115P
Q710
Q709
Q708
Q705


74LS32N IC-G7 SN74LS08N
74LS00N IC-G8 SN74LS04N IC-F8 CXB10016
IC-F6 MB7138HSK-VA45161 IC-F5 SN74LS374N IC-H5 CX20160 IC-F4 CX20160 IC-F3 MB767
IC-G6 MB7138HSK-VA45161 IC-G5 SN74LS374N IC-H4 CX20160 IC-G4 CX20160 IC-G3 MB767
IC-H6 MB7138HSK-VA45171 IC-H3 CX20160 IC-H2 MB767
IC-F1 MC10116L
IC409 CX20202 IC401 TL081CP Q401 2SA1206
IC509 CX20202 IC501 TL081CP Q501 2SA1206
IC609 CX20202 IC601 BX366A Q601 2SA1206 IC701 TL081CP
IC402 BX365A IC403 BX1244 IC404 BX365A IC405 BX366A IC406 BX366A
IC502 BX365A IC503 BX1244 IC504 BX365A IC505 BX366A IC506 BX366A
IC602 BX365A IC603 BX1244 IC604 BX365A IC605 BX366A
OUTPUT SIGNAL GAIN PRESET
RV401: D/A R-Y GAIN ADJ
RV701: OUTPUT SIGNAL GAIN ADJ
RV403: D/A OUTPUT R-Y FREQ.RESP
RV404: DEMATRIX ADJ
RV501: D/A B-Y GAIN ADJ
RV503: D/A OUTPUT B-Y FREQ.RESP
RV504: DEMATRIX ADJ
RV601: D/A Y GAIN ADJ
RV603: D/A OUTPUT Y FREQ.RESP
RV604: DEMATRIX ADJ
RV605: G LEVEL ADJ
RV606: OFFSET ADJ
RV702: SYNC ADDITION LEVEL ADJ
RV703: OFFSET LEVEL ADJ
RV705: SYNC ADDITION LEVEL ADJ
TP401
TP402
TP403
TP501
TP502
TP503
TP601
TP602
TP603
TP604
LPF
LPF401 fc=2.75MHz
LPF501 fc=2.75MHz
LPF601 fc=5.75MHz
R OUT + C3a
R OUT - C4a
(R-Y) + C9c
(R-Y) - C10c
B OUT + C5c
B OUT - C6c
(B-Y) + C11a
(B-Y) - C12a
G OUT + C7a
G OUT - C8a
Y OUT + B12c
Y OUT - B13c
Y + C13c
Y - C14c
IV. 254-1
IV. 260-1
IV. 254-3
IV. 260-3
IV. 254-5
IV. 274-1
IV. 260-5
#NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN704)
B: CN102 (CN705)
C: CN103 (CN706)
VA-45 BOARD (2/3)
BOARD NO.1-620-781-13
DVPC-1000 (J) : #21301-
DVPC-1000 (U/C) : #21001-
DVPC-1000 (EK) : #11201-
IC-F2 MC10124
IC-F10 74F04PC
IC-F11 74F112PC
DL4 20N
DL5 20N
Q706 2SA1115P
Q707 2SA1115P
Q701 2SA1115P
Q702 2SA1115P
Q703 2SC2216
Q704 2SA1115P
IC606 BX366A
IC607 BX1306
IC608 BX1306
IC610 BX366A
IC-E2 TC74HC04P
Q710 2SC2216
Q709 2SC2216
Q708 2SC2216
Q705 2SC2216
IC-G2 SN74LS32N

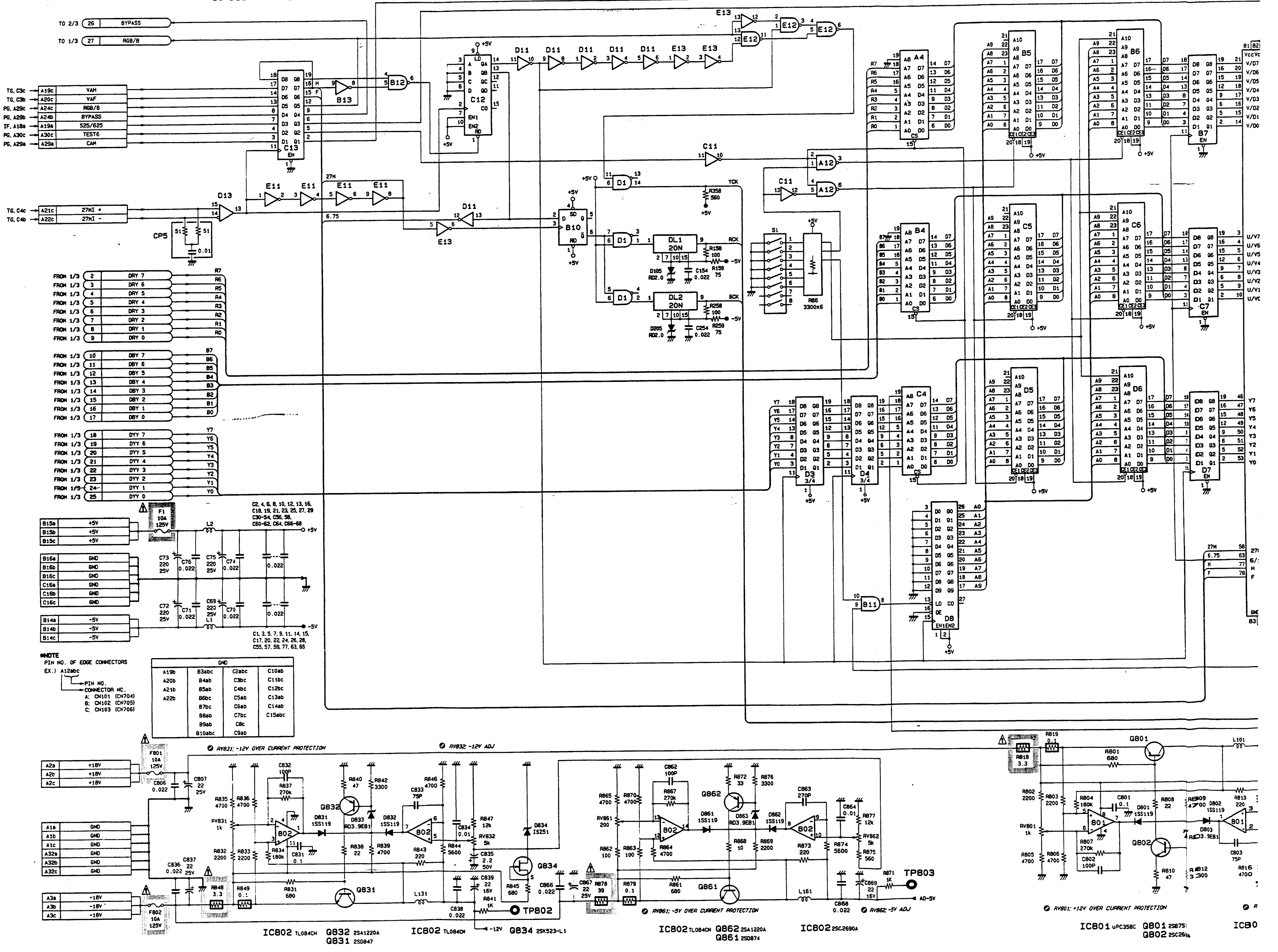
VA-45 BOARD (3/3)

Video A/D, D/A Converter

#21301 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

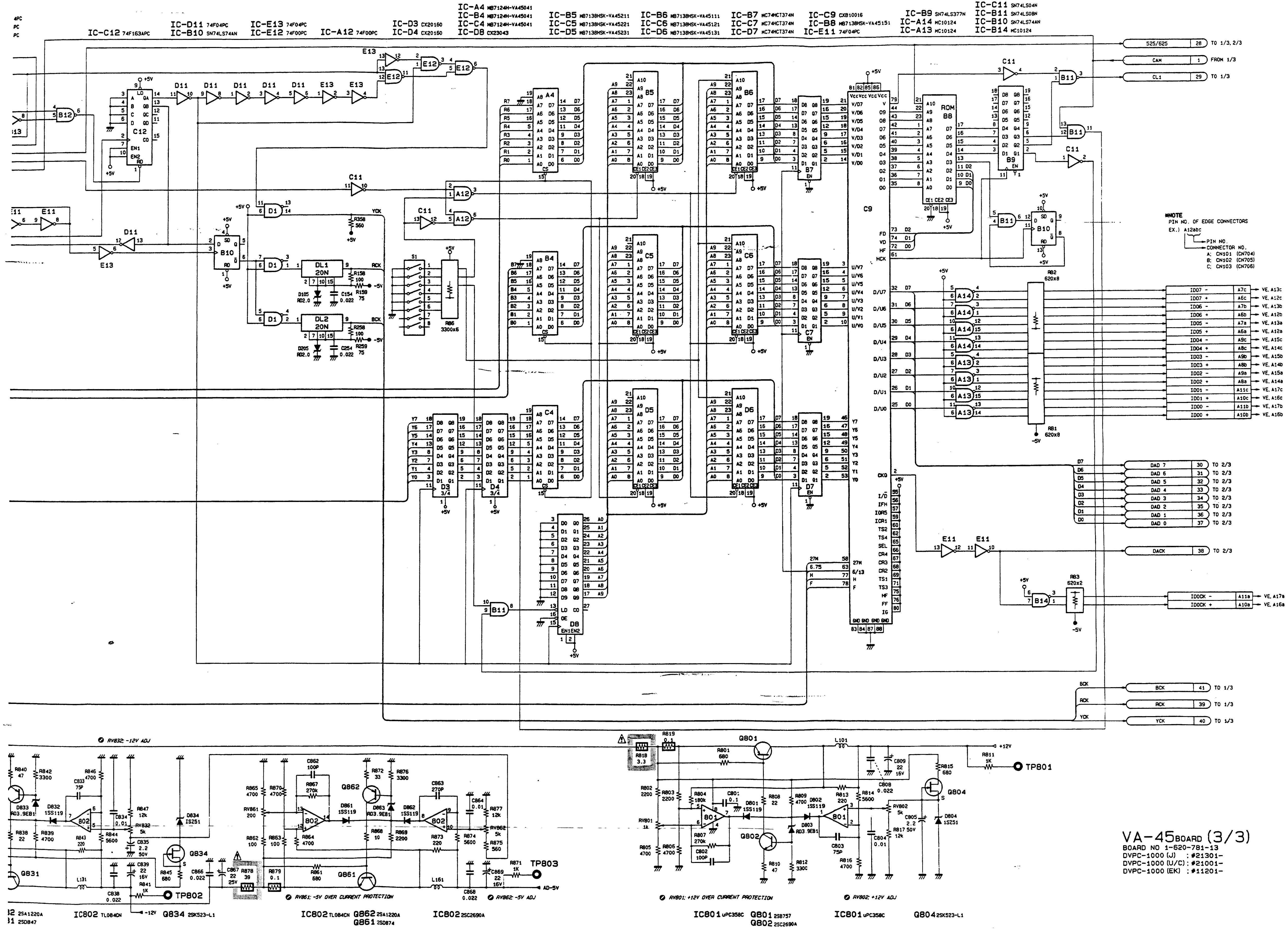
CARD RACK **VA-45 (3/3)** BOARD | **VA-45 (3/3)** BOARD CARD RACK

IC-D13 MC10125L
IC-C13 74F374PC
IC-B13 74F04PC
IC-B12 74F04PC
IC-C12 74F163APC
IC-D11 74F04PC
IC-B10 SN74LS74AN
IC-E13 74F04PC
IC-E12 74F00PC
IC-A12 74F00PC
IC-D3 CX20160
IC-D4 CX20160
IC-A4 MB7124H-VA45041
IC-B4 MB7124H-VA45041
IC-C4 MB7124H-VA45041
IC-D8 CX23043
IC-B5 MB7138HSK-VA45211
IC-C5 MB7138HSK-VA45221
IC-D5 MB7138HSK-VA45231
IC-B6 MB7138HSK-VA45111
IC-C6 MB7138HSK-VA45121
IC-D6 MB7138HSK-VA45131
IC-B7 MC74HCT374N
IC-C7 MC74HCT374N
IC-D7 MC74HCT374N
IC-C9 CXB10016
IC-B8 MB7138HS
IC-E11 74F04PC


TO 2/3 26 BYPASS
TO 1/3 27 RGB/B
TG, C3c A19c VAH
TG, C3b A20c VAF
PG, A29c A24c RGB/B
PG, A29b A24b BYPASS
PG, A29b A19a 525/625
IF, A18a A30c TEST6
PG, A29a A29a CAM
TG, C4c A21c 27MI +
TG, C4b A22c 27MI -
CP5
FROM 1/3 DRY 7 … DRY 0
FROM 1/3 DBY 7 … DBY 0
FROM 1/3 DYY 7 … DYY 0
C13 B13 B12 C12 D13 E11 D11 E13 B10 D1 DL1 20N DL2 20N C11 A12 E12 S1 R86 3300x6
A4 B4 C4 B5 C5 D5 B6 C6 D6 B7 C7 D7 D3 3/4 D4 3/4 D8 B11
YCK RCK BCK
F1 10A 125V L2 L1 +5V -5V
C2, 4, 6, 8, 10, 12, 13, 16, C18, 19, 21, 23, 25, 27, 29 C30-54, C56, 58, C60-62, C64, C66-68
C1, 3, 5, 7, 9, 11, 14, 15, C17, 20, 22, 24, 26, 28, C55, 57, 59, 77, 63, 65
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NC.
A: CN101 (CN704)
B: CN102 (CN705)
C: CN103 (CN706)
GND
A19b A20b A21b A22b
B3abc B4ab B5ab B6bc B7bc B8ab B9ab B10abc
C2abc C3bc C4bc C5ab C6ab C7bc C8c C9ab
C10ab C11bc C12bc C13ab C14ab C15abc
RV831: -12V OVER CURRENT PROTECTION
RV832: -12V ADJ
RV861: -5V OVER CURRENT PROTECTION
RV862: -5V ADJ
RV801: +12V OVER CURRENT PROTECTION
F801 10A 125V
F802 10A 125V
A2a A2b A2c +18V
A1a A1b A1c A32a A32b A32c GND
A3a A3b A3c -18V
Q832 Q831 Q834 Q862 Q861 Q801 Q802
TP802 TP803
-12V AD-5V
IC802 TL084CN Q832 2SA1220A Q831 2SD847
IC802 TL084CN Q834 2SK523-L1
IC802 TL084CN Q862 2SA1220A Q861 2SD874
IC802 2SC2690A
IC801 uPC358C Q801 2SB75 Q802 2SC26

B-37 (a)

B-38 (a)

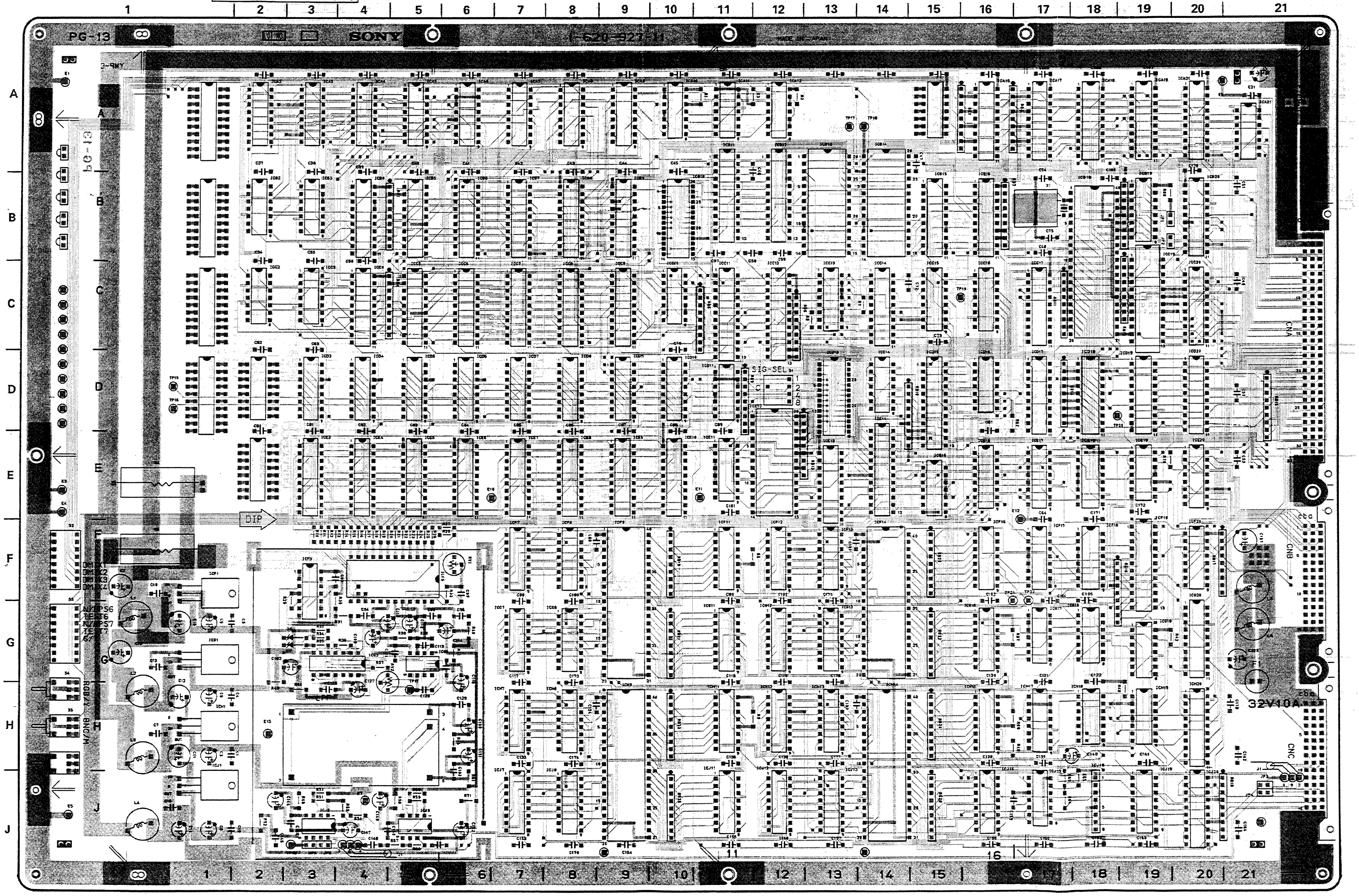

IC-C12 74F163APC
IC-D11 74F04PC
IC-B10 SN74LS74AN
IC-E13 74F04PC
IC-E12 74F00PC
IC-A12 74F00PC
IC-D3 CX20160
IC-D4 CX20160
IC-A4 MB7124H-VA45041
IC-B4 MB7124H-VA45041
IC-C4 MB7124H-VA45041
IC-D8 CX23043
IC-B5 MB7138HSK-VA45211
IC-C5 MB7138HSK-VA45221
IC-D5 MB7138HSK-VA45231
IC-B6 MB7138HSK-VA45111
IC-C6 MB7138HSK-VA45121
IC-D6 MB7138HSK-VA45131
IC-B7 MC74HCT374N
IC-C7 MC74HCT374N
IC-D7 MC74HCT374N
IC-C9 CXB10016
IC-B8 MB7138HSK-VA45151
IC-E11 74F04PC
IC-B9 SN74LS377N
IC-A14 MC10124
IC-A13 MC10124
IC-C11 SN74LS04N
IC-B11 SN74LS08N
IC-B10 SN74LS74AN
IC-B14 MC10124
C12
B12
B10
D1
DL1 20N
DL2 20N
S1
R86 3300x6
A4
B4
C4
B5
C5
D5
B6
C6
D6
B7
C7
D7
D3 3/4
D4 3/4
D8
C9
ROM B8
B9
A12
C11
E11
E13
D11
YCK
RCK
BCK
525/625 28 TO 1/3, 2/3
CAM 1 FROM 1/3
CL1 29 TO 1/3
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN704)
B: CN102 (CN705)
C: CN103 (CN706)
ID07 - A7c VE. A13c
ID07 + A6c VE. A12c
ID06 - A7b VE. A13b
ID06 + A6b VE. A12b
ID05 - A7a VE. A13a
ID05 + A6a VE. A12a
ID04 - A9c VE. A15c
ID04 + A8c VE. A14c
ID03 - A9b VE. A15b
ID03 + A8b VE. A14b
ID02 - A9a VE. A15a
ID02 + A8a VE. A14a
ID01 - A11c VE. A17c
ID01 + A10c VE. A16c
ID00 - A11b VE. A17b
ID00 + A10b VE. A16b
R82 620x8
R81 620x8
DAD 7 30 TO 2/3
DAD 6 31 TO 2/3
DAD 5 32 TO 2/3
DAD 4 33 TO 2/3
DAD 3 34 TO 2/3
DAD 2 35 TO 2/3
DAD 1 36 TO 2/3
DAD 0 37 TO 2/3
DACK 38 TO 2/3
R83 620x2
IDCK - A11a VE. A17a
IDCK + A10a VE. A16a
BCK 41 TO 1/3
RCK 39 TO 1/3
YCK 40 TO 1/3
RV832: -12V ADJ
Q831
Q834
TP802
TP803
AD-5V
-12V
RV861: -5V OVER CURRENT PROTECTION
RV862: -5V ADJ
Q862
Q861
IC802 TL084CN
Q834 2SK523-L1
IC802 TL084CN Q862 2SA1220A
Q861 2SD874
IC802 2SC2690A
Q801
Q802
Q804
TP801
+12V
RV801: +12V OVER CURRENT PROTECTION
RV802: +12V ADJ
IC801 uPC358C Q801 2SB757
Q802 2SC2690A
IC801 uPC358C
Q804 2SK523-L1

VA-45 BOARD (3/3)
BOARD NO 1-620-781-13
DVPC-1000 (J) : #21301-
DVPC-1000 (U/C) : #21001-
DVPC-1000 (EK) : #11201-

PG-13 BOARD (1-620-927-11)

Component Side

#10001 TO 10599 (J)
#10001 TO 10799 (UC)
#10001 TO 10799 (EK)


1
2
3
4
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9
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11
12
13
14
15
16
17
18
19
20
21
A
B
C
D
E
F
G
H
J
PG-13
SONY
1-620-927-11
SIG-SEL
DIP
CNA
CNB
CNC
32V10A

1-620-927-11 COMPONENT SIDE

1-620-927-11 SOLDER SIDE

PG-13 BOARD CARD RACK

PG-13 (1-620-927-11)

DVPC-1000

D6	G3	S1	D12
D7	G3	S2	F1
		S3	G1
E1	A1	S4	H1
E3	E1	S5	H1
E4	E1		
E5	J1	TP13	J3
E7	J4	TP15	D1
E8	J21	TP16	D1
E9	A20	TP17	A13
E10	E6	TP18	A14
E11	E11	TP20	D19
E12	E17	TP21	F16
E13	H2	TP22	F17
F1	G21	X1	B17
JP1	B20		
JP2	B20		
JP3	J21		
JP4	J21		
JP5	J3		
JP6	J3		
RB1	B4		
RB2	A15		
RB3	A16		
RB4	C4		
RB5	C11		
RB6	C12		
RB7	B16		
RB8	B19		
RB9	D11		
RB10	D14		
RB11	C17		
RB12	C19		
RB13	E12		
RB14	D17		
RB15	D21		
RB16	F19		
RB17	F21		
RB18	J21		
RB19	F10		
RB20	F15		
RB21	G10		
RB22	G15		
RB23	H10		
RB24	H15		
RB25	J10		
RB26	J15		
RV1	F6		
RV2	G4		

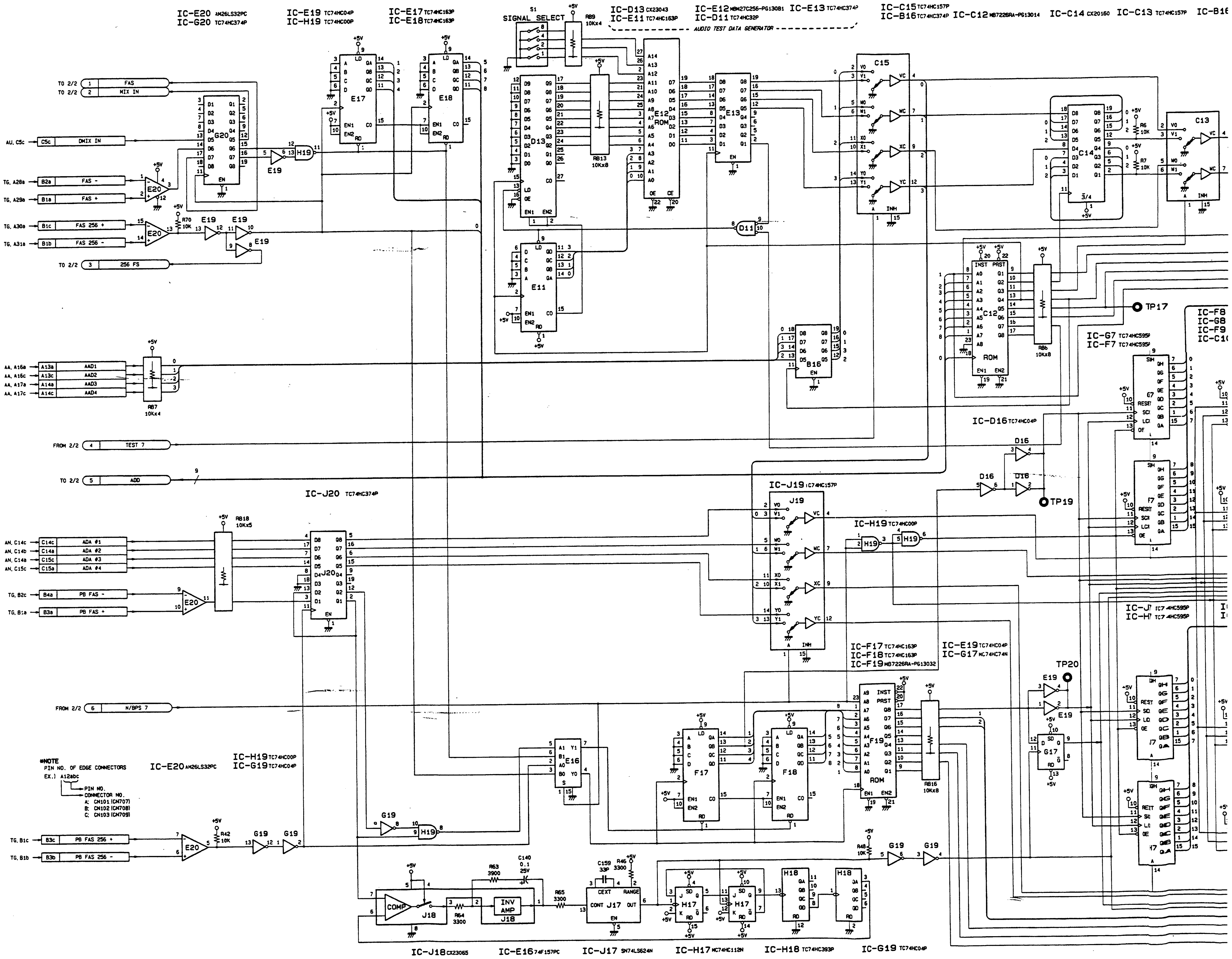
PG-13 BOARD

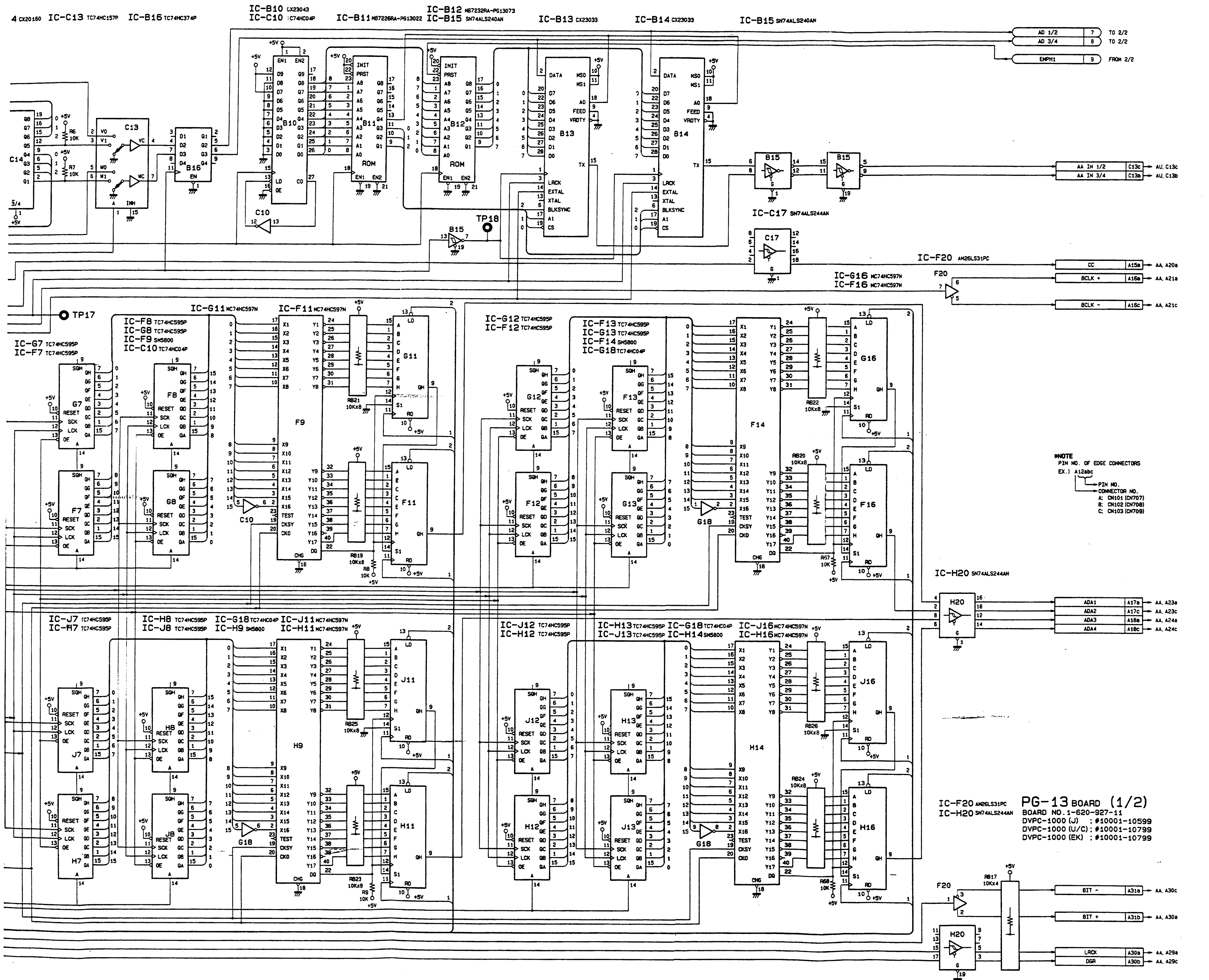
Ref. No.	Pin No.	
	+5V	GND
IC A2	16	8
IC A3	16	8
IC A4	16	8
IC A5	16	8
IC A6	16	8
IC A7	16	8
IC A8	16	8
IC A9	16	8
IC A10	14	7
IC A11	14	7
IC A12	14	7
IC A16	20	10
IC A17	20	10
IC A18	20	10
IC A19	20	10
IC A20	20	10
IC A21	14	7
IC B2	14	7
IC B3	14	7
IC B4	20	10
IC B5	20	10
IC B6	20	10
IC B7	20	10
IC B8	20	10
IC B9	20	10
IC B10	1, 28	14
IC B11	24	12
IC B12	24	12
IC B13	21	7
IC B14	21	7
IC B15	20	10
IC B16	20	10
IC B18	26, 40	20
IC B19	16	8
IC B20	20	10
IC C2	14	7
IC C3	14	7
IC C4	20	10
IC C5	20	10
IC C6	20	10
IC C7	20	10
IC C8	20	10
IC C9	20	10
IC C10	14	7
IC C11	24	12
IC C12	24	12
IC C13	16	8
IC C14	20	10
IC C15	16	8
IC C16	16	8
IC C17	20	10
IC C19	24	12
IC C20	20	10
IC D2	14	7
IC D3	16	8
IC D4	16	8
IC D5	16	8
IC D6	16	8
IC D7	16	8
IC D8	16	8
IC D9	16	8
IC D10	16	8
IC D11	14	7
IC D13	28	14
IC D14	14	7
IC D15	24	12
IC D16	14	7
IC D17	20	10
IC D18	20	10
IC D19	20	10
IC D20	20	10
IC E3	20	10
IC E4	20	10
IC E5	20	10
IC E6	20	10
IC E7	20	10
IC E8	20	10
IC E9	20	10
IC E10	20	10
IC E11	16	8
IC E12	28	14
IC E13	20	10
IC E14	24	12
IC E15	14	7
IC E16	16	8
IC E17	16	8
IC E18	16	8
IC E19	14	7
IC E20	16	8
IC F1	Refer to schematic diagram.	
IC F3	14	7
IC F5	Refer to schematic diagram.	
IC F7	16	8
IC F8	16	8
IC F9	1	21
IC F11	16	8
IC F12	16	8
IC F13	16	8
IC F14	1	21
IC F16	16	8
IC F17	16	8
IC F18	16	8
IC F19	24	12
IC F20	16	8
IC G1	Refer to schematic diagram.	
IC G3	Refer to schematic diagram.	
IC G5	Refer to schematic diagram.	
IC G7	16	8
IC G8	16	8
IC G11	16	8
IC G12	16	8
IC G13	16	8
IC G16	16	8
IC G17	14	7
IC G18	14	7
IC G19	14	7
IC G20	20	10
IC H1	Refer to schematic diagram.	
IC H7	16	8
IC H8	16	8
IC H9	1	21
IC H11	16	8
IC H12	16	8
IC H13	16	8
IC H14	1	21
IC H16	16	8
IC H17	16	8
IC H18	14	7
IC H19	14	7
IC H20	20	10
IC J1	Refer to schematic diagram.	
IC J3	Refer to schematic diagram.	
IC J5	Refer to schematic diagram.	
IC J7	16	8
IC J8	16	8
IC J11	16	8
IC J12	16	8
IC J13	16	8
IC J16	16	8
IC J17	14	1, 7
IC J18	5	8
IC J19	16	8
IC J20	20	10

PG-13 BOARD (1/2)

Pulse Generator

10001 TO 10599 (J)
10001 TO 10799 (UC)
10001 TO 10799 (EK)


IC-E20 AM26LS32PC
IC-G20 TC74HC374P
IC-E19 TC74HC04P
IC-H19 TC74HC00P
IC-E17 TC74HC163P
IC-E18 TC74HC163P
S1 SIGNAL SELECT
RB9 10Kx4
IC-D13 CX23043
IC-E11 TC74HC163P
IC-E12 MBM27C256-PG13081
IC-E13 TC74HC374P
IC-D11 TC74HC32P
AUDIO TEST DATA GENERATOR
IC-C15 TC74HC157P
IC-B16 TC74HC374P
IC-C12 MB7226RA-PG13014
IC-C14 CX20160
IC-C13 TC74HC157P
IC-B16
TO 2/2 1 FAS
TO 2/2 2 MIX IN
AU, C5c C5c DMIX IN
TG, A28a B2a FAS -
TG, A29a B1a FAS +
TG, A30a B1c FAS 256 +
TG, A31a B1b FAS 256 -
TO 2/2 3 256 FS
AA, A16a A13a AAD1
AA, A16c A13c AAD2
AA, A17a A14a AAD3
AA, A17c A14c AAD4
RB7 10Kx4
RB13 10Kx8
RB6 10Kx8
TP17
IC-G7 TC74HC595P
IC-F7 TC74HC595P
IC-D16 TC74HC04P
TP19
FROM 2/2 4 TEST 7
TO 2/2 5 ADD
IC-J20 TC74HC374P
IC-J19 TC74HC157P
IC-H19 TC74HC00P
RB18 10Kx5
AN, C14c C14c ADA #1
AN, C14b C14a ADA #2
AN, C14b C15c ADA #3
AN, C15c C15a ADA #4
TG, B2c B4a PB FAS -
TG, B1a B3a PB FAS +
IC-F17 TC74HC163P
IC-F18 TC74HC163P
IC-F19 MB7226RA-PG13032
IC-E19 TC74HC04P
IC-G17 MC74HC74N
TP20
RB16 10Kx8
FROM 2/2 6 N/BPS 7
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN707)
B: CN102 (CN708)
C: CN103 (CN709)
IC-E20 AM26LS32PC
IC-H19 TC74HC00P
IC-G19 TC74HC04P
TG, B1c B3c PB FAS 256 +
TG, B1b B3b PB FAS 256 -
R42 10K
COMP J18
INV AMP J18
R63 3900
C140 0.1 25V
R64 3300
R65 3300
C159 33P
R46 3300
J17
H17
H18
G19
R48 10K
IC-J18 CX23065
IC-E16 74F157PC
IC-J17 SN74LS624N
IC-H17 MC74HC112N
IC-H18 TC74HC393P
IC-G19 TC74HC04P


4 CX20160 IC-C13 TC74HC157P IC-B16 TC74HC374P
IC-B10 CX23043
IC-C10 TC74HC04P
IC-B11 MB7226RA-PG13022
IC-B12 MB7232RA-PG13073
IC-B15 SN74ALS240AN
IC-B13 CX23033
IC-B14 CX23033
IC-B15 SN74ALS240AN
AD 1/2 7 TO 2/2
AD 3/4 8 TO 2/2
EMPH1 9 FROM 2/2
C13
B16
B10
B11
ROM
B12
ROM
B13
B14
DATA
MS0
MS1
FEED
VRDTY
LRCK
EXTAL
XTAL
BLKSYNC
INIT
PRST
C10
B15
TP18
B15
AA IN 1/2 C13c AU, C13c
AA IN 3/4 C13a AU, C13b
IC-C17 SN74ALS244AN
C17
IC-F20 AM26LS31PC
F20
CC A15a AA, A20a
BCLK + A16a AA, A21a
BCLK - A16c AA, A21c
IC-G16 MC74HC597N
IC-F16 MC74HC597N
TP17
IC-G11 MC74HC597N
IC-F11 MC74HC597N
IC-F8 TC74HC595P
IC-G8 TC74HC595P
IC-F9 SM5800
IC-C10 TC74HC04P
IC-G7 TC74HC595P
IC-F7 TC74HC595P
G7
F8
F7
G8
F9
G11
F11
RB21 10Kx8
RB19 10Kx8
R8 10K
C10
IC-G12 TC74HC595P
IC-F12 TC74HC595P
IC-F13 TC74HC595P
IC-G13 TC74HC595P
IC-F14 SM5800
IC-G18 TC74HC04P
G12
F13
F12
G13
F14
G16
F16
RB22 10Kx8
RB20 10Kx8
R57 10K
G18
IC-H20 SN74ALS244AN
H20
ADA1 A17a AA, A23a
ADA2 A17c AA, A23c
ADA3 A18a AA, A24a
ADA4 A18c AA, A24c
IC-J7 TC74HC595P
IC-H7 TC74HC595P
IC-H8 TC74HC595P
IC-J8 TC74HC595P
IC-G18 TC74HC04P
IC-H9 SM5800
IC-J11 MC74HC597N
IC-H11 MC74HC597N
J7
H8
H7
J8
H9
J11
H11
RB25 10Kx8
RB23 10Kx8
R9 10K
G18
IC-J12 TC74HC595P
IC-H12 TC74HC595P
IC-H13 TC74HC595P
IC-J13 TC74HC595P
IC-G18 TC74HC04P
IC-H14 SM5800
IC-J16 MC74HC597N
IC-H16 MC74HC597N
J12
H13
H12
J13
H14
J16
H16
RB26 10Kx8
RB24 10Kx8
R68 10K
G18
F20
RB17 10Kx4
H20
BIT - A31a AA, A30c
BIT + A31b AA, A30a
LRCK A30a AA, A29a
DGR A30b AA, A29c
SQH
RESET
SCK
LCK
OE
X1
CKSY
CKO
TEST
LD
S1
RD
+5V

*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A; CN101 (CN707)
B; CN102 (CN708)
C; CN103 (CN709)

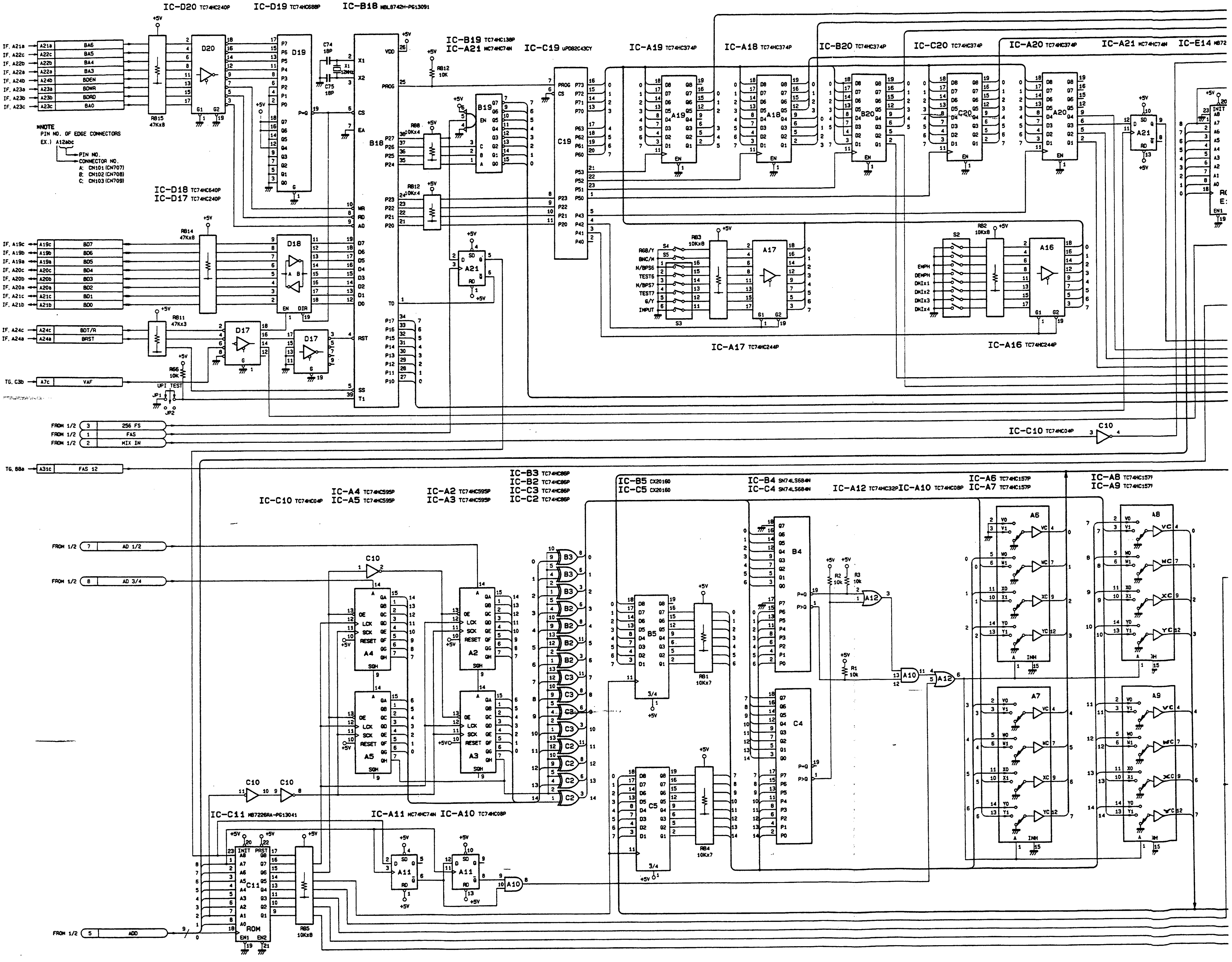
IC-F20 AM26LS31PC
IC-H20 SN74ALS244AN

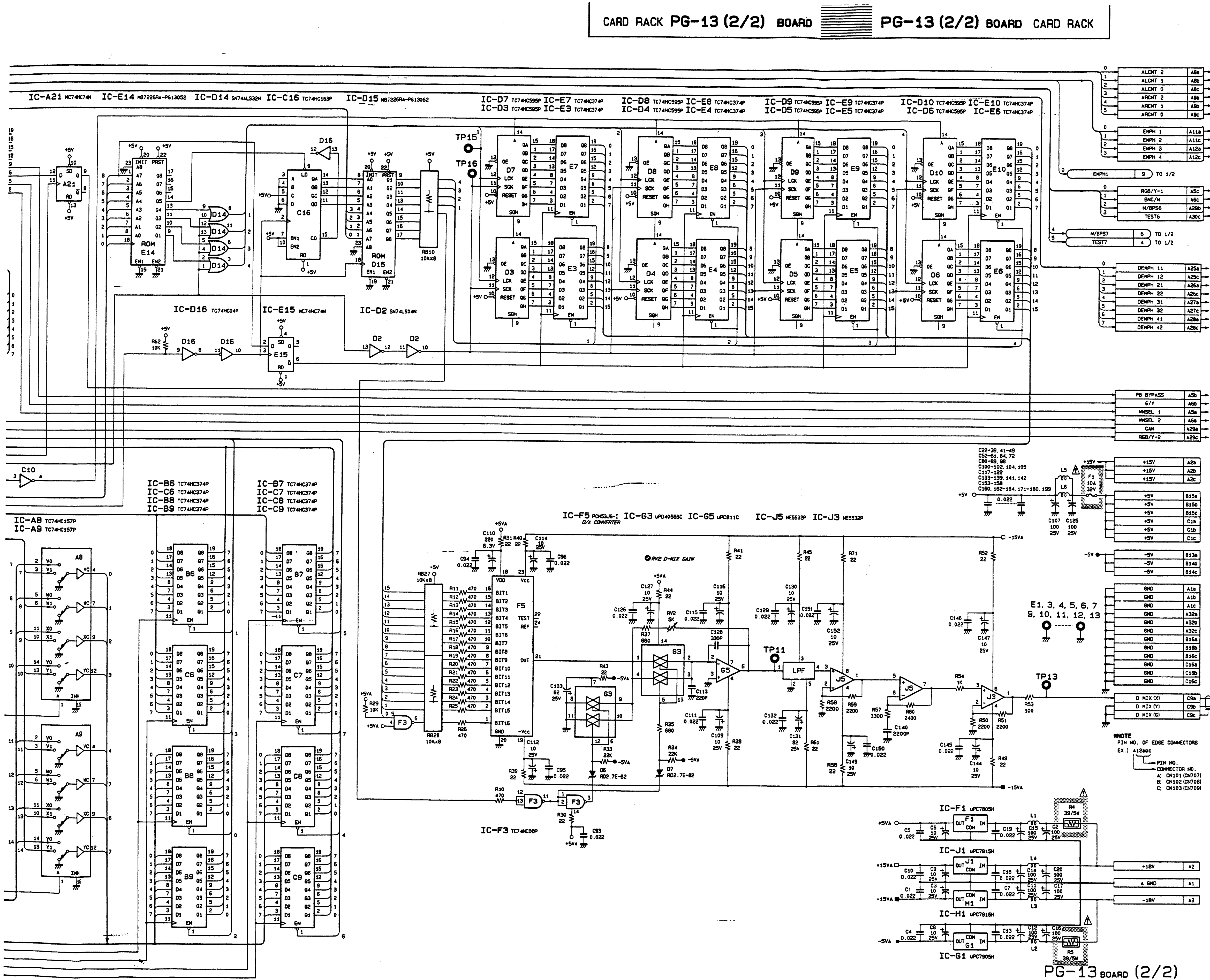
PG-13 BOARD (1/2)
BOARD NO.1-620-927-11
DVPC-1000 (J) : #10001-10599
DVPC-1000 (U/C) : #10001-10799
DVPC-1000 (EK) : #10001-10799

PG-13 BOARD (2/2)

Pulse Generator

10001 TO 10599 (J)
10001 TO 10799 (UC)
10001 TO 10799 (EK)


IC-D20 TC74HC240P
IC-D19 TC74HC688P
IC-B18 MBL8742H-PG13091
IC-B19 TC74HC138P
IC-A21 MC74HC74N
IC-C19 uPD82C43CY
IC-A19 TC74HC374P
IC-A18 TC74HC374P
IC-B20 TC74HC374P
IC-C20 TC74HC374P
IC-A20 TC74HC374P
IC-A21 MC74HC74N
IC-E14
IC-D18 TC74HC640P
IC-D17 TC74HC240P
IC-A17 TC74HC244P
IC-A16 TC74HC244P
IC-C10 TC74HC04P
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN707)
B: CN102 (CN708)
C: CN103 (CN709)
RB15 47Kx8
RB14 47Kx8
RB11 47Kx3
RB8 10Kx4
RB12 10Kx4
RB12 10K
RB3 10Kx8
RB2 10Kx8
R66 10K
X1 12MHz
C74 18P
C75 18P
UPI TEST
JP1
JP2
FROM 1/2 3 256 FS
FROM 1/2 1 FAS
FROM 1/2 2 MIX IN
TG, 88a A31c FAS 12
TG, C3b A7c VAF
IF, A24c A24c BOT/R
IF, A24a A24a BRST
RGB/Y
BNC/H
N/BPS5
TEST6
N/BPS7
TEST7
G/Y
INPUT
S3
S4
S5
S2
EMPH
DEMPH
DHIx1
DHIx2
DHIx3
DHIx4
IC-A4 TC74HC595P
IC-A5 TC74HC595P
IC-A2 TC74HC595P
IC-A3 TC74HC595P
IC-B3 TC74HC86P
IC-B2 TC74HC86P
IC-C3 TC74HC86P
IC-C2 TC74HC86P
IC-B5 CX20160
IC-C5 CX20160
IC-B4 SN74LS684N
IC-C4 SN74LS684N
IC-A12 TC74HC32P
IC-A10 TC74HC08P
IC-A6 TC74HC157P
IC-A7 TC74HC157P
IC-A8 TC74HC157P
IC-A9 TC74HC157P
FROM 1/2 7 AD 1/2
FROM 1/2 8 AD 3/4
FROM 1/2 5 ADD
IC-C11 MB7226RA-PG13041
IC-A11 MC74HC74N
IC-A10 TC74HC08P
RB1 10Kx7
RB4 10Kx7
RB5 10Kx8
R1 10k
R2 10k
R3 10k
ROM

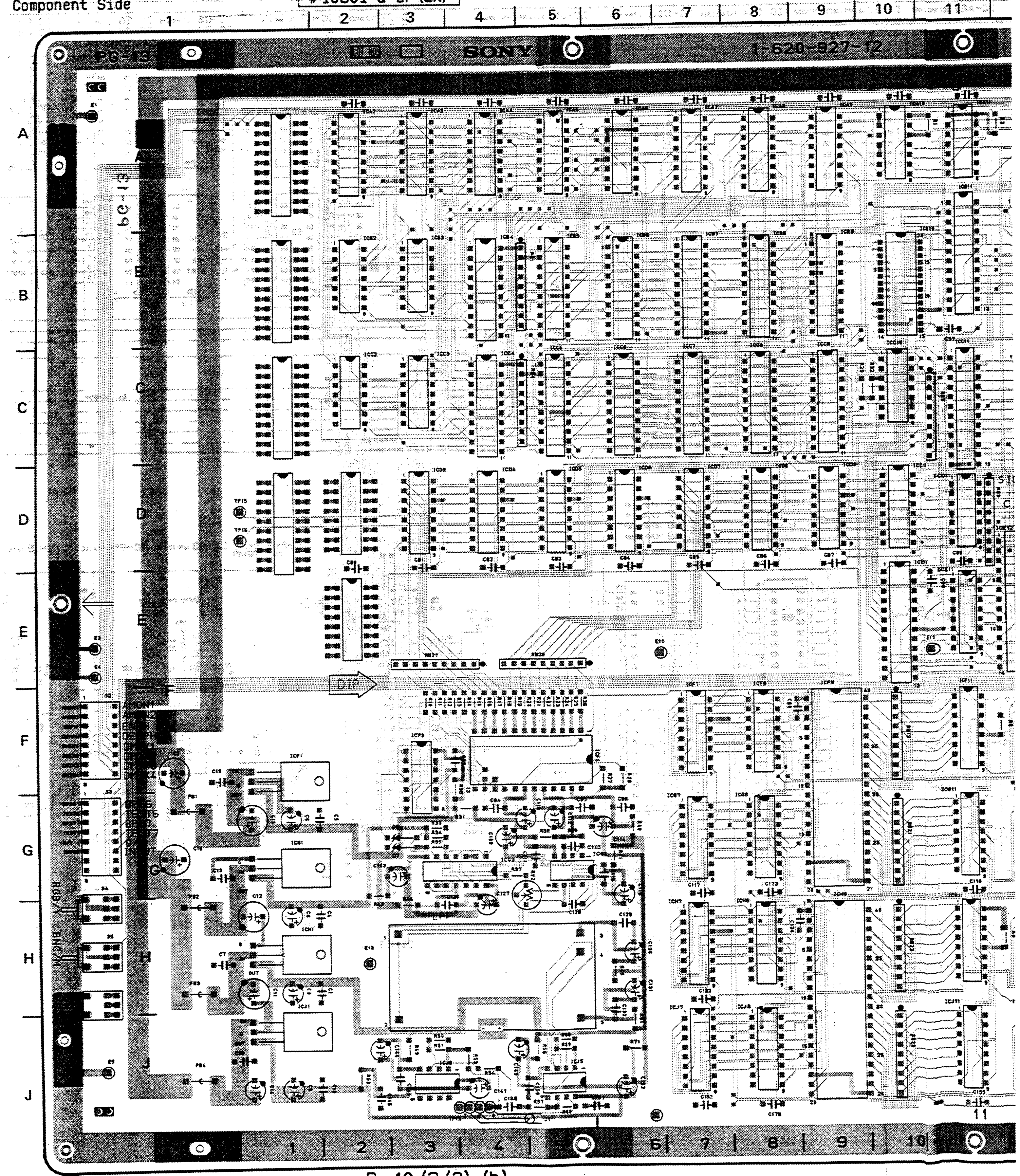

CARD RACK PG-13 (2/2) BOARD
PG-13 (2/2) BOARD CARD RACK
IC-A21 MC74HC74N
IC-E14 MB7226RA-PG13052
IC-D14 SN74ALS32N
IC-C16 TC74HC163P
IC-D15 MB7226RA-PG13062
IC-D7 TC74HC595P IC-E7 TC74HC374P
IC-D3 TC74HC595P IC-E3 TC74HC374P
IC-D8 TC74HC595P IC-E8 TC74HC374P
IC-D4 TC74HC595P IC-E4 TC74HC374P
IC-D9 TC74HC595P IC-E9 TC74HC374P
IC-D5 TC74HC595P IC-E5 TC74HC374P
IC-D10 TC74HC595P IC-E10 TC74HC374P
IC-D6 TC74HC595P IC-E6 TC74HC374P
TP15
TP16
ROM E14
ROM D15
RB10 10K×8
IC-D16 TC74HC04P
IC-E15 MC74HC74N
IC-D2 SN74LS04N
R62 10K
C10
IC-B6 TC74HC374P
IC-C6 TC74HC374P
IC-B8 TC74HC374P
IC-B9 TC74HC374P
IC-B7 TC74HC374P
IC-C7 TC74HC374P
IC-C8 TC74HC374P
IC-C9 TC74HC374P
IC-A8 TC74HC157P
IC-A9 TC74HC157P
IC-F5 PCM53JG-I D/A CONVERTER
IC-G3 uPD4066BC
IC-G5 uPC811C
IC-J5 NE5533P
IC-J3 NE5532P
RV2: D-MIX GAIN
RB27 10K×8
RB28 10K×8
TP11
LPF
TP13
IC-F3 TC74HC00P
C22-39, 41-49
C52-61, 64, 72
C80-89, 98
C100-102, 104, 105
C117-122
C133-139, 141, 142
C153-158
C160, 162-164, 171-180, 199
F1 10A 32V
E1, 3, 4, 5, 6, 7
9, 10, 11, 12, 13
IC-F1 uPC7805H
IC-J1 uPC7815H
IC-H1 uPC7915H
IC-G1 uPC7905H
R4 39/5W
R5 39/5W
ALCNT 2 | A8a → AA, A12a
ALCNT 1 | A8b → AA, A12b
ALCNT 0 | A8c → AA, A12c
ARCNT 2 | A9a → AA, A13a
ARCNT 1 | A9b → AA, A13b
ARCNT 0 | A9c → AA, A13c
EMPH 1 | A11a → AA, A18a
EMPH 2 | A11c → AA, A18c
EMPH 3 | A12a → AA, A19a
EMPH 4 | A12c → AA, A19c
EMPH1 | 9 TO 1/2
RGB/Y-1 | A5c → IV, 259-1
BNC/M | A6c → IV, 259-2
N/BPS6 | A29b → VA, A24b
TEST6 | A30c → VA, A30c
N/BPS7 | 6 TO 1/2
TEST7 | 4 TO 1/2
DEMPH 11 | A25a → AA, A25a
DEMPH 12 | A25c → AA, A25c
DEMPH 21 | A26a → AA, A26a
DEMPH 22 | A26c → AA, A26c
DEMPH 31 | A27a → AA, A27a
DEMPH 32 | A27c → AA, A27c
DEMPH 41 | A28a → AA, A28a
DEMPH 42 | A28c → AA, A28c
PB BYPASS | A5b → IV, 259-3
G/Y | A6b → IV, 259-8
WMSEL 1 | A5a → IV, 259-6
WMSEL 2 | A6a → IV, 259-7
CAM | A29a → VA, A29a
RGB/Y-2 | A29c → VA, A24c
+15V | A2a
+15V | A2b
+15V | A2c
+5V | B15a
+5V | B15b
+5V | B15c
+5V | C1a
+5V | C1b
+5V | C1c
-5V | B13a
-5V | B14b
-5V | B14c
GND | A1a
GND | A1b
GND | A1c
GND | A32a
GND | A32b
GND | A32c
GND | B16a
GND | B16b
GND | B16c
GND | C16a
GND | C16b
GND | C16c
D MIX (X) | C9a → AT, 305-1
D MIX (Y) | C9b → AT, 305-2
D MIX (G) | C9c
+18V | A2
A GND | A1
-18V | A3
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN707)
B: CN102 (CN708)
C: CN103 (CN709)

PG-13 BOARD (2/2)
BOARD NO.1-620-927-11
DVPC-1000 (J) : #10001-10599
DVPC-1000 (U/C) : #10001-10799
DVPC-1000 (EK) : #10001-10799

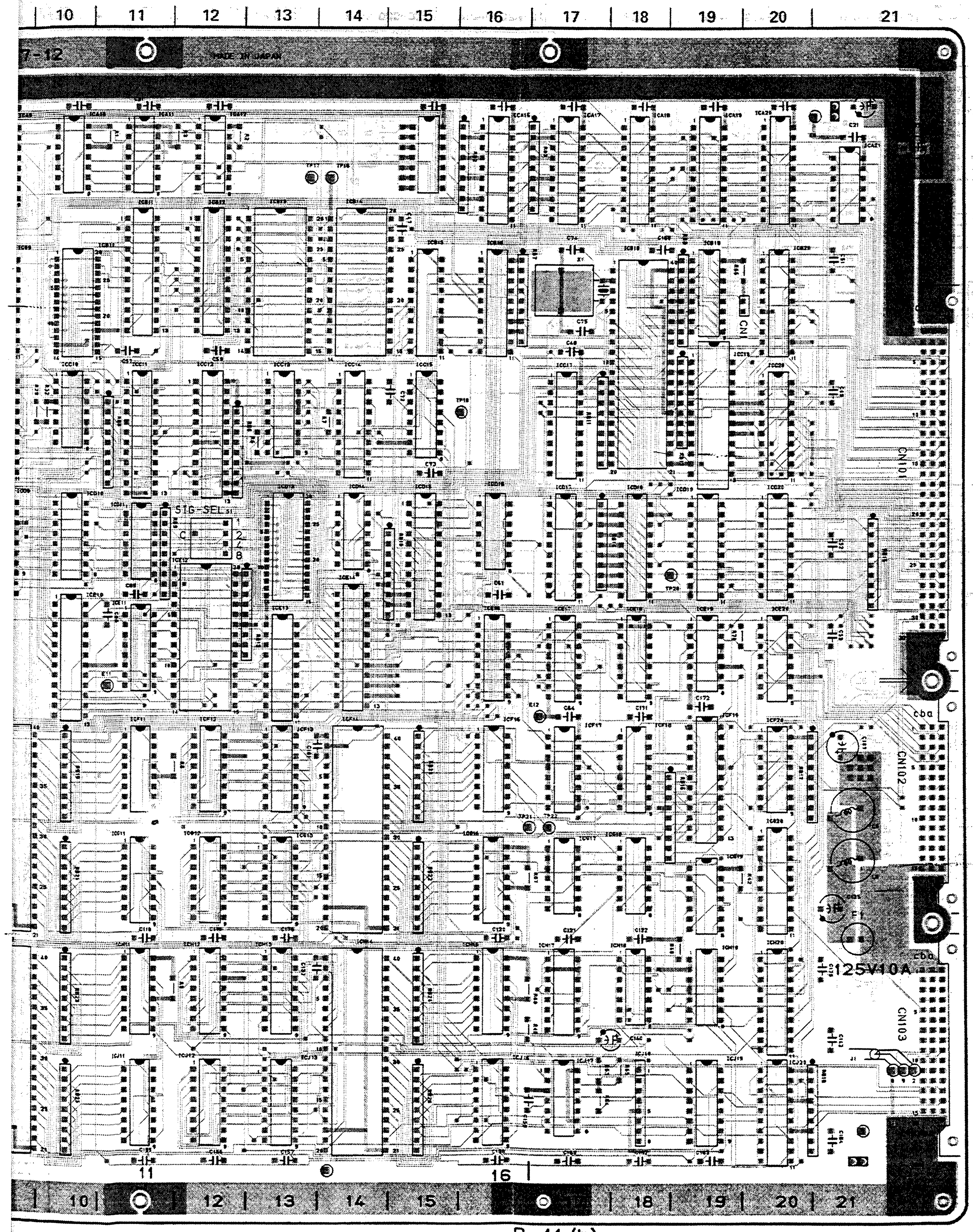
PG-13 BOARD (1-620-927-12)

Component Side

#10601 & UP (J)
#10801 & UP (UC)
#10801 & UP (EK)


1
2
3
4
5
6
7
8
9
10
11
A
B
C
D
E
F
G
H
J
PG-13
SONY
1-620-927-12
DIP

1-620-927-12 COMPONENT SIDE



B-41 (b)

1-620-927-12 SOLDER SIDE

PG-13 (1-620-927-12)

DVPC-1000

CN1	B20
CN101M	C21
CN102M	F21
CN103M	J21
D6	G3
D7	G3
E1	A1
E3	E1
E4	E1
E5	J1
E7	J4
E8	J21
E9	A20
E10	E6
E11	E11
E12	E17
E13	H2
F1	G21
FB1	G1
FB2	H1
FB3	H1
FB4	J1
JP1	B20
RB1	B4
RB2	A15
RB3	A16
RB4	C4
RB5	C11
RB6	C12
RB7	B16
RB8	B19
RB9	D11
RB10	D14
RB11	C17
RB12	C19
RB13	E12
RB14	D17
RB15	D21
RB16	F19
RB17	F21
RB18	J21
RB19	F10
RB20	F15
RB21	G10
RB22	G15
RB23	H10
RB24	H15
RB25	J10
RB26	J15
RB27	E3
RB28	E5
RV2	G5
S2	F1
S3	G1
S4	H1
S5	H1
TP13	J4
TP15	D1
TP16	D1
TP17	A13
TP18	A14
TP19	C15
TP20	D19
TP21	F16
TP22	F17
X1	B17

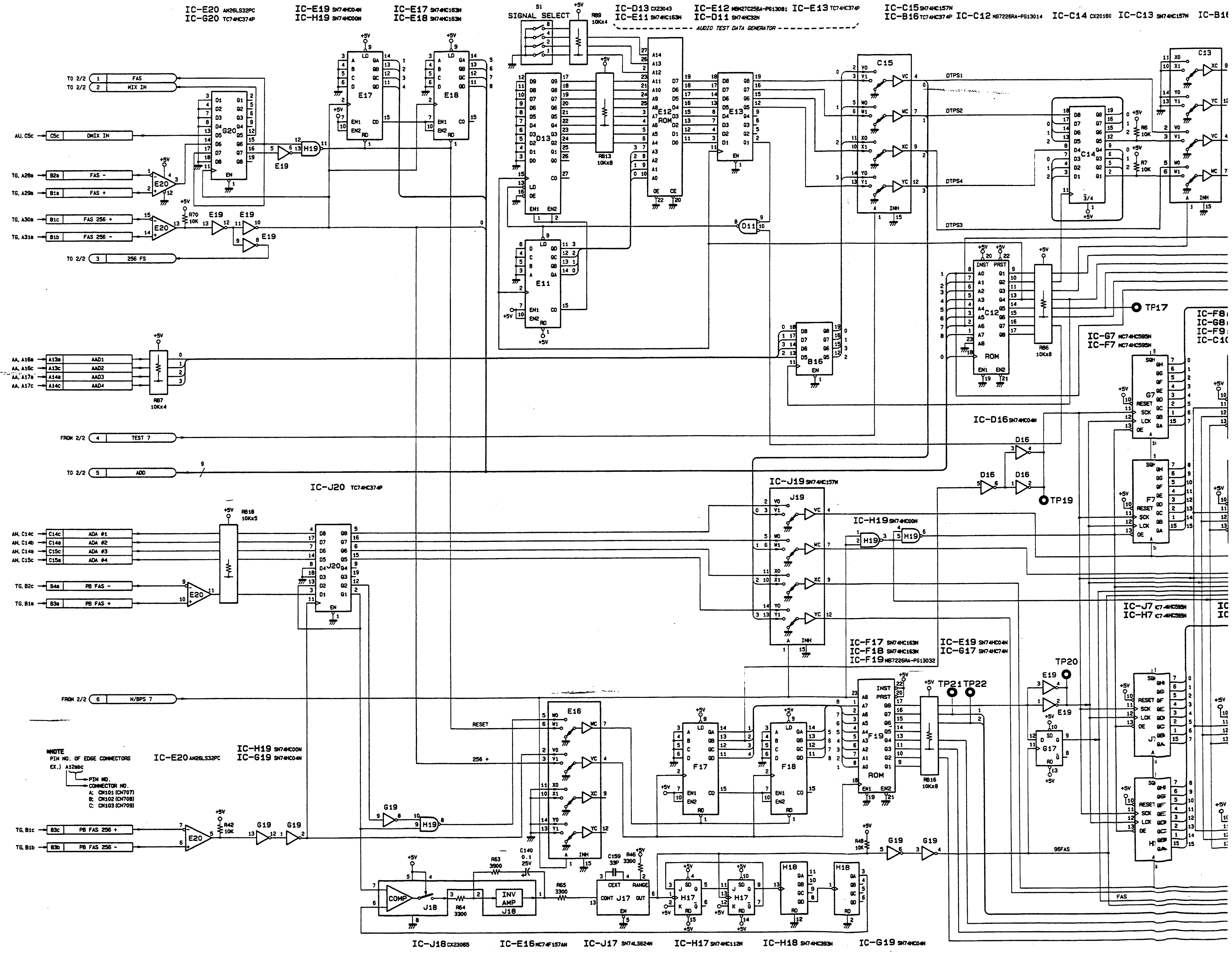
PG-13 BOARD

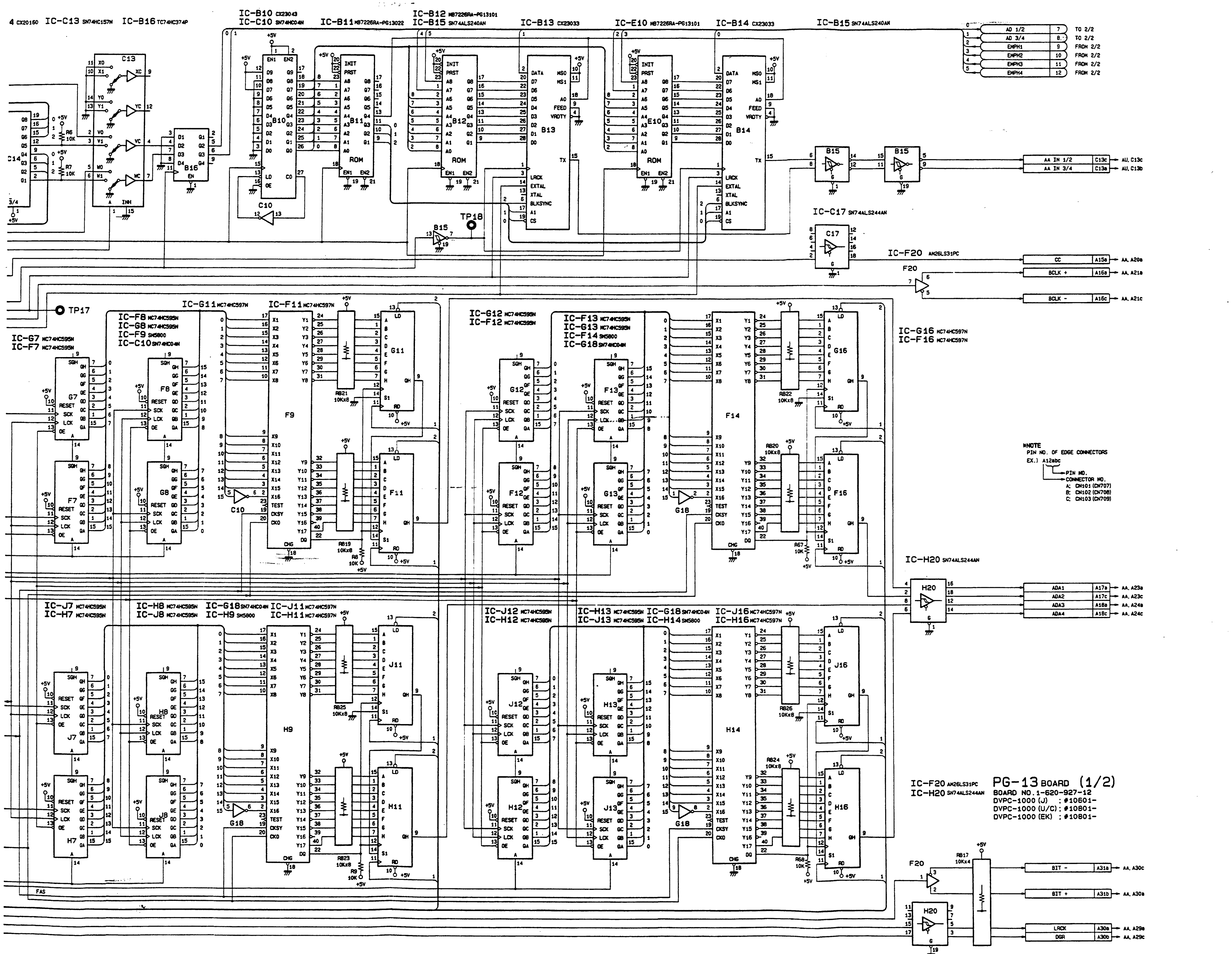
Ref. No.	Pin No.	
	+5V	GND
IC A2	16	8
IC A3	16	8
IC A4	16	8
IC A5	16	8
IC A6	16	8
IC A7	16	8
IC A8	16	8
IC A9	16	8
IC A10	14	7
IC A11	14	7
IC A12	14	7
IC A16	20	10
IC A17	20	10
IC A18	20	10
IC A19	20	10
IC A20	20	10
IC A21	14	7
IC B2	14	7
IC B3	14	7
IC B4	20	10
IC B5	20	10
IC B6	20	10
IC B7	20	10
IC B8	20	10
IC B9	20	10
IC B10	1, 28	14
IC B11	24	12
IC B12	24	12
IC B13	21	7
IC B14	21	7
IC B15	20	10
IC B16	20	10
IC B18	25, 40	20
IC B19	16	8
IC B20	20	10
IC C2	14	7
IC C3	14	7
IC C4	20	10
IC C5	20	10
IC C6	20	10
IC C7	20	10
IC C8	20	10
IC C9	20	10
IC C10	14	7
IC C11	24	12
IC C12	24	12
IC C13	16	8
IC C14	20	10
IC C15	16	8
IC C17	20	10
IC C19	24	12
IC C20	20	10
IC D3	16	8
IC D4	16	8
IC D5	16	8
IC D6	16	8
IC D7	16	8
IC D8	16	8
IC D9	16	8
IC D10	16	8
IC D11	14	7
IC D13	28	14
IC D14	14	7
IC D15	24	12
IC D16	14	7
IC D17	20	10
IC D18	20	10
IC D19	20	10
IC D20	20	10
IC E10	24	12
IC E11	16	8
IC E12	28	14
IC E13	20	10
IC E14	24	12
IC E16	16	8
IC E17	16	8
IC E18	16	8
IC E19	14	7
IC E20	16	8
IC F1	Refer to schematic diagram.	
IC F3	14	7
IC F5	Refer to schematic diagram.	
IC F7	16	8
IC F8	16	8
IC F9	1	21
IC F11	16	8
IC F12	16	8
IC F13	16	8
IC F14	1	21
IC F16	16	8
IC F17	16	8
IC F18	16	8
IC F19	24	12
IC F20	16	8
IC G1	Refer to schematic diagram.	
IC G3	Refer to schematic diagram.	
IC G5	Refer to schematic diagram.	
IC G7	16	8
IC G8	16	8
IC G11	16	8
IC G12	16	8
IC G13	16	8
IC G16	16	8
IC G17	14	7
IC G18	14	7
IC G19	14	7
IC G20	20	10
IC H1	Refer to schematic diagram.	
IC H7	16	8
IC H8	16	8
IC H9	1	21
IC H11	16	8
IC H12	16	8
IC H13	16	8
IC H14	1	21
IC H16	16	8
IC H17	16	8
IC H18	14	7
IC H19	14	7
IC H20	20	10
IC J1	Refer to schematic diagram.	
IC J3	Refer to schematic diagram.	
IC J5	Refer to schematic diagram.	
IC J7	16	8
IC J8	16	8
IC J11	16	8
IC J12	16	8
IC J13	16	8
IC J16	16	8
IC J17	14	1, 7
IC J18	5	8
IC J19	16	8
IC J20	20	10

PG-13 BOARD (1/2)

Pulse Generator

#10601 & UP (J)
#10801 & UP (UC)
#10801 & UP (EK)


IC-E20 AM26LS32PC
IC-G20 TC74HC374P
IC-E19 SN74HC04N
IC-H19 SN74HC00N
IC-E17 SN74HC163N
IC-E18 SN74HC163N
S1 SIGNAL SELECT
IC-D13 CX23043
IC-E11 SN74HC163N
IC-E12 MB827C256A-PG13081
IC-D11 SN74HC32N
IC-E13 TC74HC374P
AUDIO TEST DATA GENERATOR
IC-C15 SN74HC157N
IC-B16 TC74HC374P
IC-C12 MB7226RA-PG13014
IC-C14 CX20160
IC-C13 SN74HC157N
TO 2/2 1 FAS
TO 2/2 2 MIX IN
AU, C5c DMIX IN
TG, A28a B2a FAS −
TG, A29a B1a FAS +
TG, A30a B1c FAS 256 +
TG, A31a B1b FAS 256 −
TO 2/2 3 256 FS
AA, A16a A13a AAD1
AA, A16c A13c AAD2
AA, A17a A14a AAD3
AA, A17c A14c AAD4
RB7 10K×4
FROM 2/2 4 TEST 7
TO 2/2 5 ADD
IC-J20 TC74HC374P
AN, C14c C14c ADA #1
AN, C14b C14a ADA #2
AN, C14a C15c ADA #3
AN, C15c C15a ADA #4
TG, B2c B4a PB FAS −
TG, B1a B3a PB FAS +
RB18 10K×5
FROM 2/2 6 N/BPS 7
NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN707)
B: CN102 (CN708)
C: CN103 (CN709)
IC-E20 AM26LS32PC
IC-H19 SN74HC00N
IC-G19 SN74HC04N
TG, B1c B3c PB FAS 256 +
TG, B1b B3b PB FAS 256 −
DTPS1
DTPS2
DTPS4
DTPS3
TP17
TP19
TP20
TP21
TP22
IC-G7 MC74HC595N
IC-F7 MC74HC595N
IC-D16 SN74HC04N
IC-J19 SN74HC157N
IC-H19 SN74HC00N
IC-F17 SN74HC163N
IC-F18 SN74HC163N
IC-F19 MB7226RA-PG13032
IC-E19 SN74HC04N
IC-G17 SN74HC74N
IC-J7 MC74HC595N
IC-H7 MC74HC595N
RESET
256 +
COMP
INV AMP
J18
96FAS
FAS
IC-J18 CX23065
IC-E16 MC74F157AN
IC-J17 SN74LS624N
IC-H17 SN74HC112N
IC-H18 SN74HC393N
IC-G19 SN74HC04N


IC-C13 SN74HC157N
IC-B16 TC74HC374P
IC-B10 CX23043
IC-C10 SN74HC04N
IC-B11 MB7226RA-PG13022
IC-B12 MB7226RA-PG13101
IC-B15 SN74ALS240AN
IC-B13 CX23033
IC-E10 MB7226RA-PG13101
IC-B14 CX23033
IC-B15 SN74ALS240AN
AD 1/2
AD 3/4
EMPH1
EMPH2
EMPH3
EMPH4
TO 2/2
FROM 2/2
TP18
TP17
AA IN 1/2
AA IN 3/4
C13c
C13a
AU, C13c
AU, C13b
IC-C17 SN74ALS244AN
IC-F20 AM26LS31PC
CC
BCLK +
BCLK -
A15a
A16a
A16c
AA, A20a
AA, A21a
AA, A21c
IC-G7 MC74HC595N
IC-F7 MC74HC595N
IC-F8 MC74HC595N
IC-G8 MC74HC595N
IC-F9 SM5800
IC-C10 SN74HC04N
IC-G11 MC74HC597N
IC-F11 MC74HC597N
IC-G12 MC74HC595N
IC-F12 MC74HC595N
IC-F13 MC74HC595N
IC-G13 MC74HC595N
IC-F14 SM5800
IC-G18 SN74HC04N
IC-G16 MC74HC597N
IC-F16 MC74HC597N
IC-H20 SN74ALS244AN
ADA1
ADA2
ADA3
ADA4
A17a
A17c
A18a
A18c
AA, A23a
AA, A23c
AA, A24a
AA, A24c
IC-J7 MC74HC595N
IC-H7 MC74HC595N
IC-H8 MC74HC595N
IC-J8 MC74HC595N
IC-G18 SN74HC04N
IC-H9 SM5800
IC-J11 MC74HC597N
IC-H11 MC74HC597N
IC-J12 MC74HC595N
IC-H12 MC74HC595N
IC-H13 MC74HC595N
IC-J13 MC74HC595N
IC-G18 SN74HC04N
IC-H14 SM5800
IC-J16 MC74HC597N
IC-H16 MC74HC597N
FAS
BIT -
BIT +
A31a
A31b
AA, A30c
AA, A30a
LRCK
DGR
A30a
A30b
AA, A29a
AA, A29c
RB17 10Kx4

*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
→PIN NO.
→CONNECTOR NO.
A; CN101 (CN707)
B; CN102 (CN708)
C; CN103 (CN709)

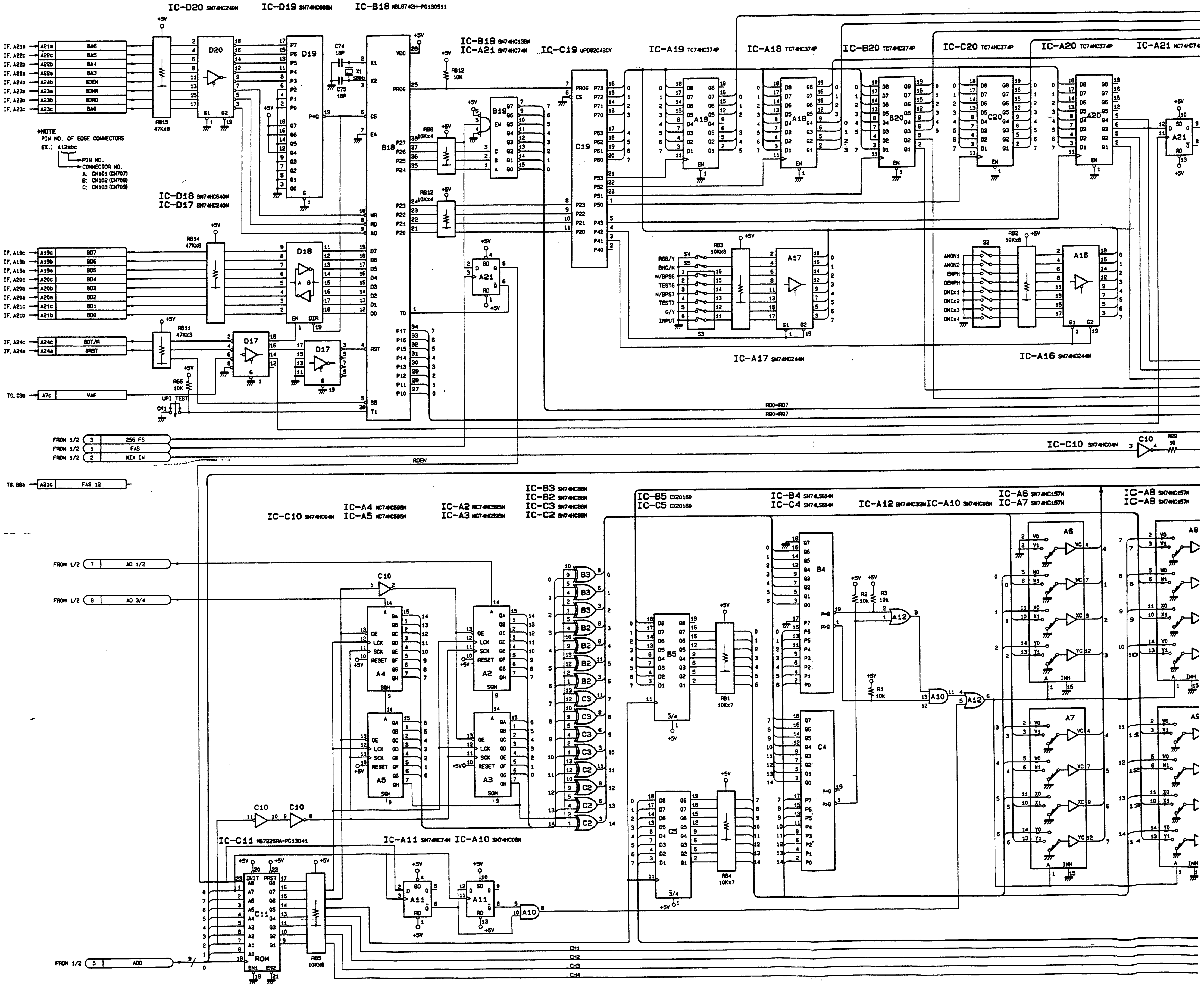
IC-F20 AM26LS31PC
IC-H20 SN74ALS244AN

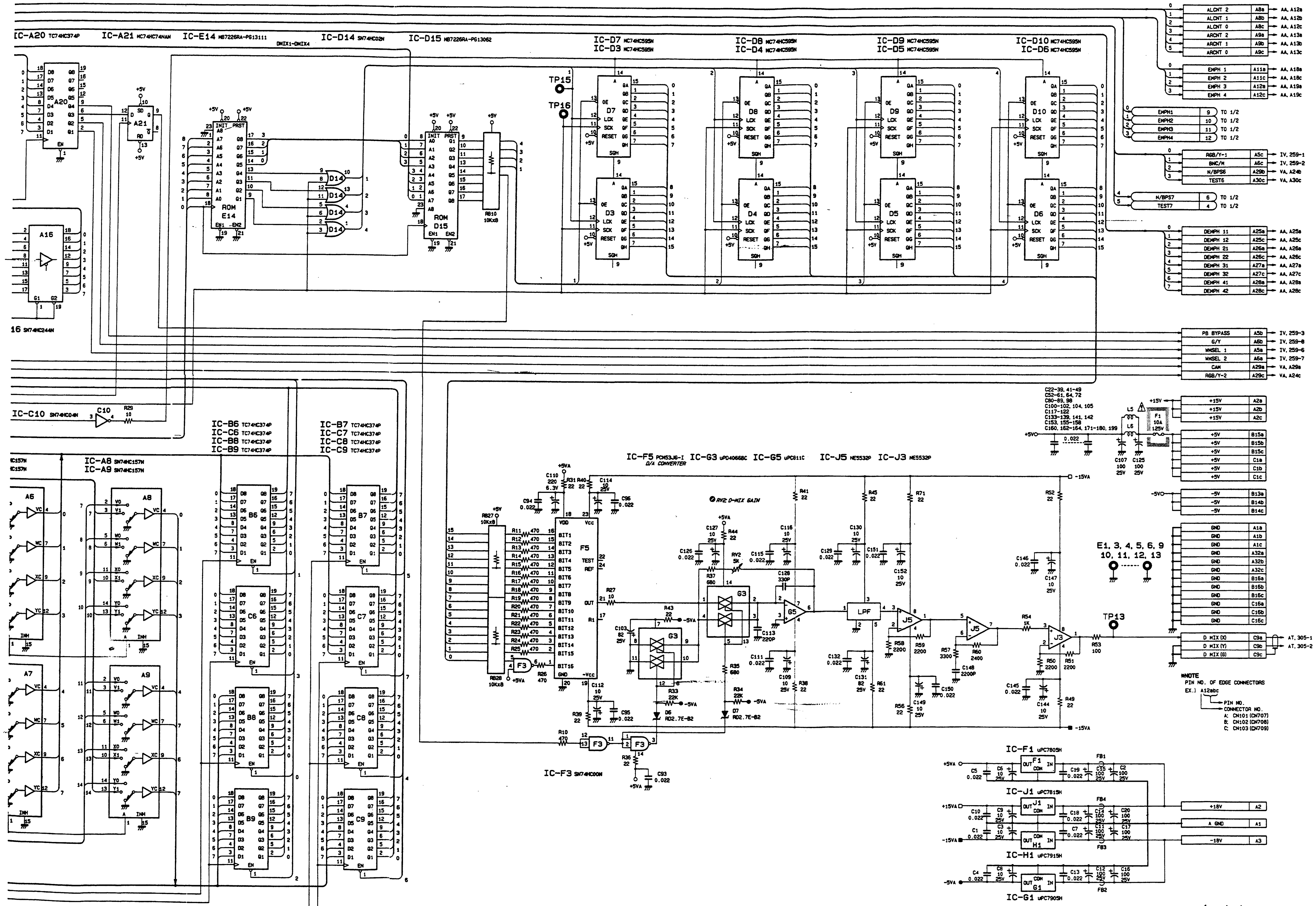
PG-13 BOARD (1/2)
BOARD NO. 1-620-927-12
DVPC-1000 (J) : #10601-
DVPC-1000 (U/C) : #10801-
DVPC-1000 (EK) : #10801-

PG-13 BOARD (2/2)

Pulse Generator

#10601 & UP (J)
#10801 & UP (UC)
#10801 & UP (EK)


IC-D20 SN74HC240N
IC-D19 SN74HC688N
IC-B18 MBL8742H-PG130911
IC-B19 SN74HC138N
IC-A21 SN74HC74N
IC-C19 uPD82C43CY
IC-A19 TC74HC374P
IC-A18 TC74HC374P
IC-B20 TC74HC374P
IC-C20 TC74HC374P
IC-A20 TC74HC374P
IC-A21 HC74HC74
IC-D18 SN74HC640N
IC-D17 SN74HC240N
IC-A17 SN74HC244N
IC-A16 SN74HC244N
IC-C10 SN74HC04N
IC-A4 HC74HC595N
IC-A5 HC74HC595N
IC-A2 HC74HC595N
IC-A3 HC74HC595N
IC-B3 SN74HC86N
IC-B2 SN74HC86N
IC-C3 SN74HC86N
IC-C2 SN74HC86N
IC-B5 CX20160
IC-C5 CX20160
IC-B4 SN74LS684N
IC-C4 SN74LS684N
IC-A12 SN74HC32N
IC-A10 SN74HC08N
IC-A6 SN74HC157N
IC-A7 SN74HC157N
IC-A8 SN74HC157N
IC-A9 SN74HC157N
IC-C11 MB7226RA-PG13041
IC-A11 SN74HC74N
IC-A10 SN74HC08N
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN707)
B: CN102 (CN708)
C: CN103 (CN709)
FROM 1/2
256 FS
FAS
MIX IN
FAS 12
AD 1/2
AD 3/4
ADD
RDEN
RD0-RD7
RQ0-RQ7
CH1
CH2
CH3
CH4
UPI TEST
RGB/Y
BNC/N
N/BPS6
TEST6
N/BPS7
TEST7
G/Y
INPUT
AMON1
AMON2
EMPH
DEMPH
DMIX1
DMIX2
DMIX3
DMIX4
ROM

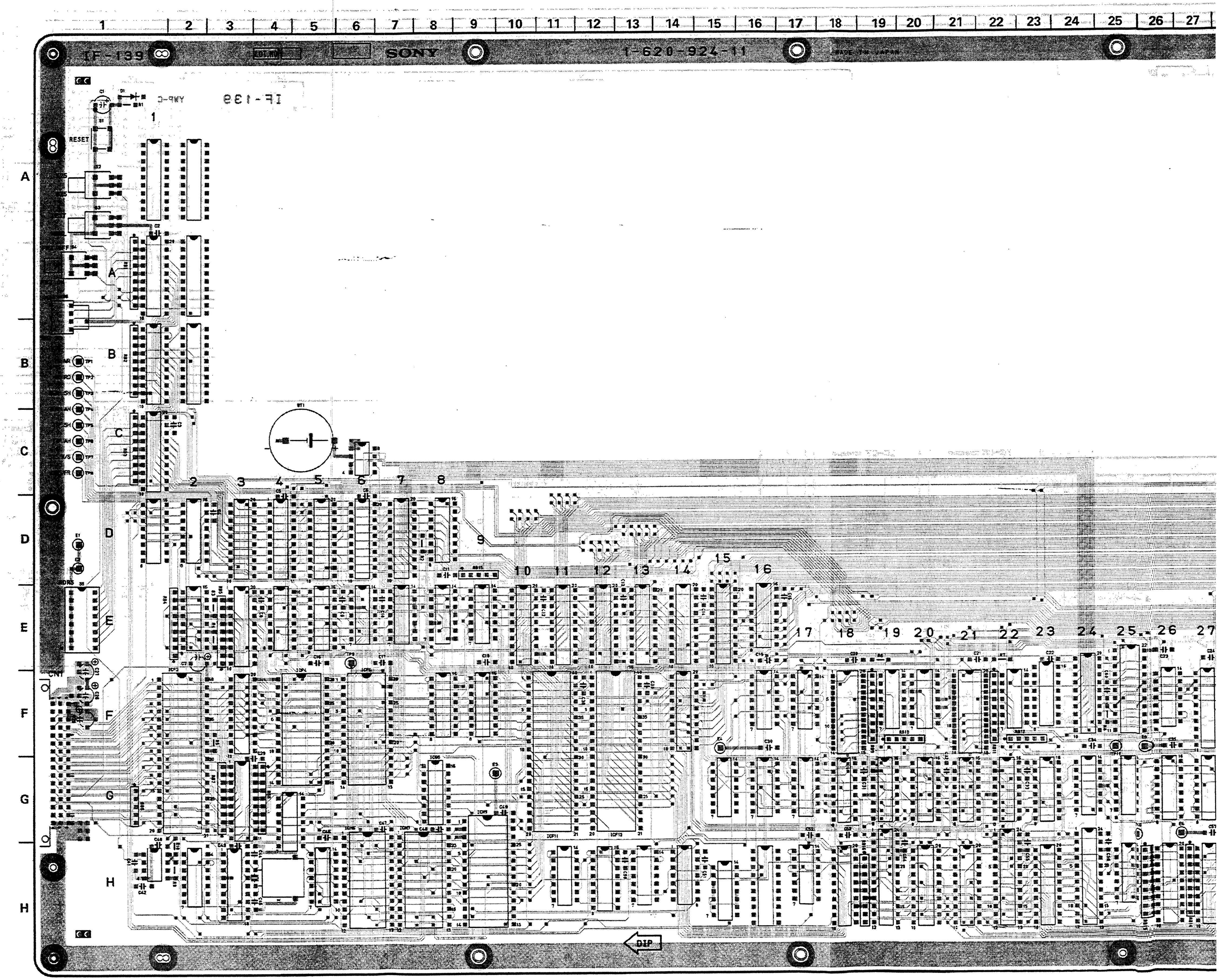

IC-A20 TC74HC374P
IC-A21 MC74HC74AN
IC-E14 MB7226RA-PG13111
DMIX1-DMIX4
IC-D14 SN74HC02N
IC-D15 MB7226RA-PG13062
IC-D7 MC74HC595N
IC-D3 MC74HC595N
IC-D8 MC74HC595N
IC-D4 MC74HC595N
IC-D9 MC74HC595N
IC-D5 MC74HC595N
IC-D10 MC74HC595N
IC-D6 MC74HC595N
TP15
TP16
A16
16 SN74HC244N
ROM E14
ROM D15
RB10 10Kx8
IC-C10 SN74HC04N
IC-A8 SN74HC157N
IC-A9 SN74HC157N
A6
A7
A8
A9
IC-B6 TC74HC374P
IC-C6 TC74HC374P
IC-B8 TC74HC374P
IC-B9 TC74HC374P
IC-B7 TC74HC374P
IC-C7 TC74HC374P
IC-C8 TC74HC374P
IC-C9 TC74HC374P
IC-F5 PCM53JG-I D/A CONVERTER
IC-G3 uPD4066BC
IC-G5 uPC811C
IC-J5 NE5532P
IC-J3 NE5532P
RV2 D-MIX GAIN
LPF
TP13
IC-F3 SN74HC00N
E1, 3, 4, 5, 6, 9 10, 11, 12, 13
ALCNT 2 A8a AA, A12a
ALCNT 1 A8b AA, A12b
ALCNT 0 A8c AA, A12c
ARCNT 2 A9a AA, A13a
ARCNT 1 A9b AA, A13b
ARCNT 0 A9c AA, A13c
EMPH 1 A11a AA, A18a
EMPH 2 A11c AA, A18c
EMPH 3 A12a AA, A19a
EMPH 4 A12c AA, A19c
EMPH1 9 TO 1/2
EMPH2 10 TO 1/2
EMPH3 11 TO 1/2
EMPH4 12 TO 1/2
RGB/Y-1 A5c IV, 259-1
BNC/M A6c IV, 259-2
N/BPS6 A29b VA, A24b
TEST6 A30c VA, A30c
N/BPS7 6 TO 1/2
TEST7 4 TO 1/2
DEMPH 11 A25a AA, A25a
DEMPH 12 A25c AA, A25c
DEMPH 21 A26a AA, A26a
DEMPH 22 A26c AA, A26c
DEMPH 31 A27a AA, A27a
DEMPH 32 A27c AA, A27c
DEMPH 41 A28a AA, A28a
DEMPH 42 A28c AA, A28c
PB BYPASS A5b IV, 259-3
G/Y A6b IV, 259-8
WMSEL 1 A5a IV, 259-6
WMSEL 2 A6a IV, 259-7
CAM A29a VA, A29a
RGB/Y-2 A29c VA, A24c
C22-39, 41-49 C52-61, 64, 72 C80-89, 98 C100-102, 104, 105 C117-122 C133-139, 141, 142 C153, 155-158 C160, 162-164, 171-180, 199
L5 L6 F1 10A 125V
+15V A2a
+15V A2b
+15V A2c
+5V B15a
+5V B15b
+5V B15c
+5V C1a
+5V C1b
+5V C1c
-5V B13a
-5V B14b
-5V B14c
GND A1a
GND A1b
GND A1c
GND A32a
GND A32b
GND A32c
GND B16a
GND B16b
GND B16c
GND C16a
GND C16b
GND C16c
D MIX (X) C9a AT, 305-1
D MIX (Y) C9b AT, 305-2
D MIX (G) C9c
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN707)
B: CN102 (CN708)
C: CN103 (CN709)
IC-F1 uPC7805H
IC-J1 uPC7815H
IC-H1 uPC7915H
IC-G1 uPC7905H
+18V A2
A GND A1
-18V A3

PG-13 BOARD (2/2)

BOARD NO. 1-620-927-12
DVPC-1000 (J) : #10601-
DVPC-1000 (U/C) : #10801-
DVPC-1000 (EK) : #10801-

IF-139 BOARD (1-620-924-11)

Component Side


1
2
3
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7
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9
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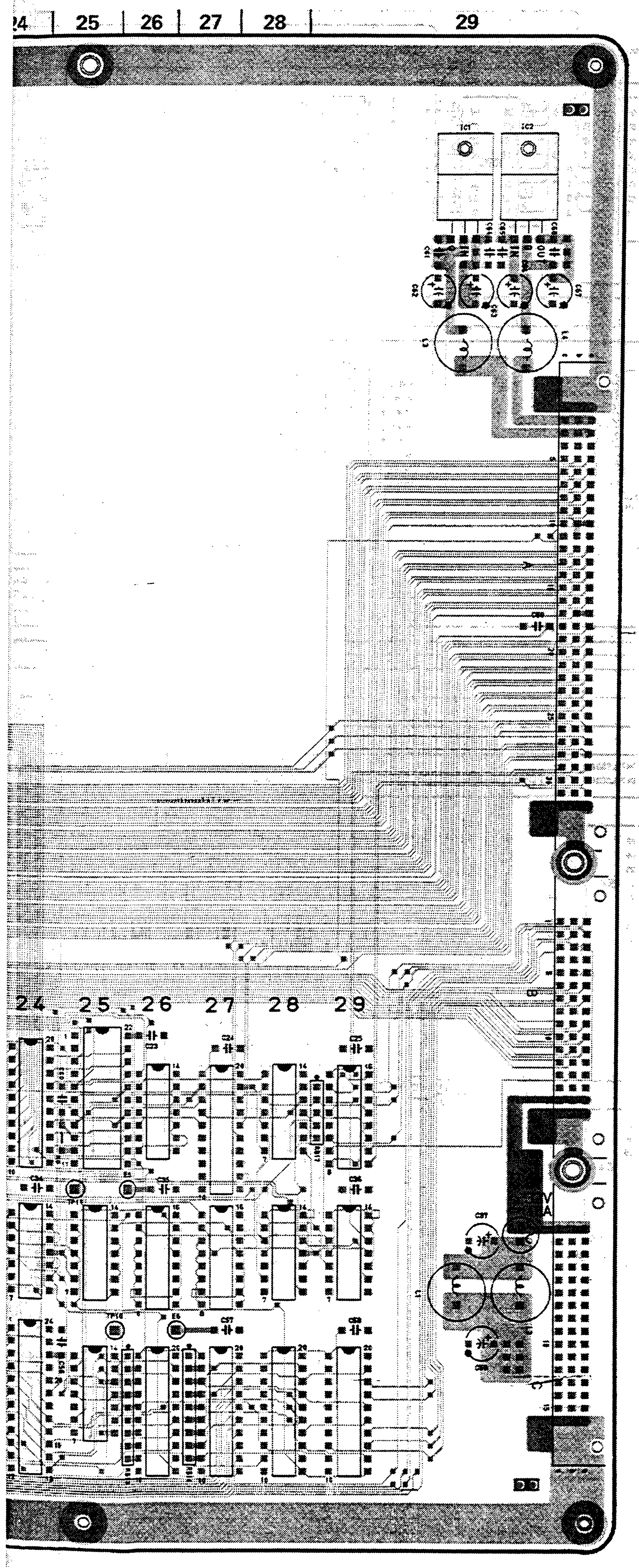
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
A
B
C
D
E
F
G
H
IF-139
SONY
1-620-924-11
RESET
DIP

1-620-924-11 COMPONENT SIDE



1-620-924-11 SOLDER SIDE

IF-139 (1-620-924-11)

DVPC-1000

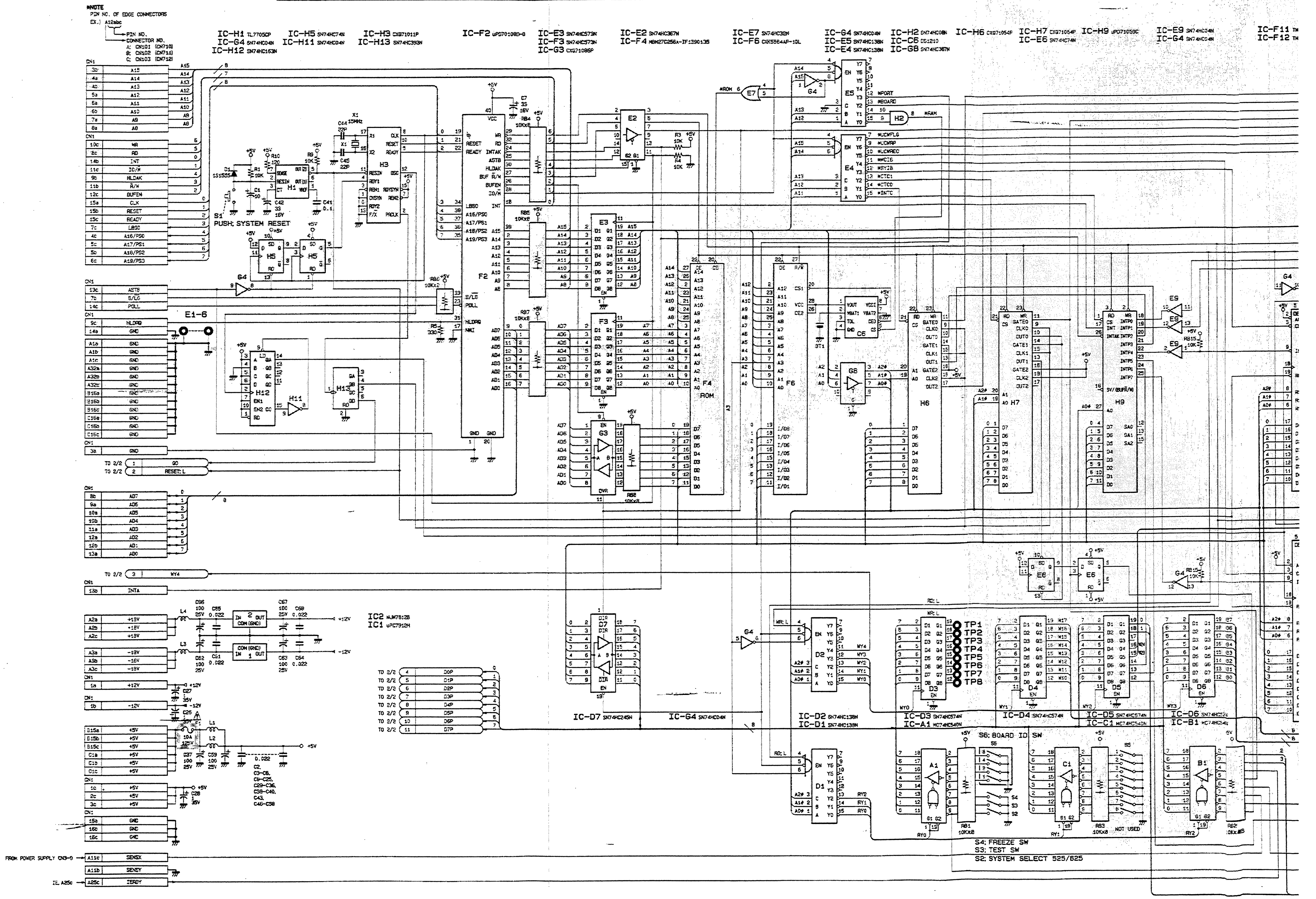
CN1F	F1
D1	A1
E1	D1
E2	D1
E3	G10
E4	F15
E5	F25
E6	G27
F1	G29
IC1	A29
IC2	A29
RB1	A1
RB2	B1
RB3	C1
RB4	E2
RB5	E3
RB6	G1
RB7	G2
RB8	G3
RB9	F19
RB10	F19
RB11	F22
RB12	F22
RB13	H25
RB14	H27
RB15	E9
RB16	H19
RB17	F29
S1	A1
S2	A1
S3	A1
S4	A1
S5	E1
S6	A1
TP1	B1
TP2	B1
TP3	B1
TP4	B1
TP5	C1
TP6	C1
TP7	C1
TP8	C1
TP9	E6
TP10	G25
TP11	F25

IF-139 BOARD

Ref. No.	Pin No.	
	+5V	GND
IC 1	Refer to schematic diagram.	
IC 2	Refer to schematic diagram.	
IC A1	20	10
IC B1	20	10
IC C1	20	10
IC C6	8	4
IC D1	16	8
IC D2	16	8
IC D3	20	10
IC D4	20	10
IC D5	20	10
IC D6	20	10
IC D7	20	10
IC D8	16	8
IC E2	16	8
IC E3	20	10
IC E4	16	8
IC E5	16	8
IC E6	14	7
IC E7	14	7
IC E8	14	7
IC E9	14	7
IC E10	20	10
IC E11	20	10
IC E12	20	10
IC E13	20	10
IC E14	20	10
IC E15	20	10
IC E16	16	8
IC F2	40	1, 20
IC F3	20	10
IC F4	1, 28	14
IC F6	28	14
IC F8	16	8
IC F9	16	8
IC F11	40	20
IC F12	40	20
IC F14	20	10
IC F16	14	7
IC F17	14	7
IC F18	28	14
IC F19	14	7
IC F20	14	7
IC F21	28	14
IC F22	14	7
IC F24	20	10
IC F25	22	11
IC F26	14	7
IC F27	20	10
IC F28	14	7
IC F29	16	8
IC G3	20	10
IC G4	14	7
IC G8	16	8
IC G15	14	7
IC G16	14	7
IC G17	14	7
IC G18	16	8
IC G19	16	8
IC G20	16	8
IC G21	16	8
IC G22	16	8
IC G23	16	8
IC G24	14	7
IC G25	14	7
IC G26	16	8
IC G27	16	8
IC G28	14	7
IC G29	14	7
IC H1	8	4
IC H2	14	7
IC H3	18	9
IC H5	14	7
IC H6	24	12
IC H7	24	12
IC H9	28	14
IC H11	14	7
IC H12	16	8
IC H13	14	7
IC H14	14	7
IC H15	14	7
IC H17	14	7
IC H18	20	10
IC H19	24	12
IC H20	20	10
IC H21	20	10
IC H22	24	12
IC H23	20	10
IC H24	24	12
IC H25	14	7
IC H26	20	10
IC H27	20	10
IC H28	20	10
IC H29	20	10

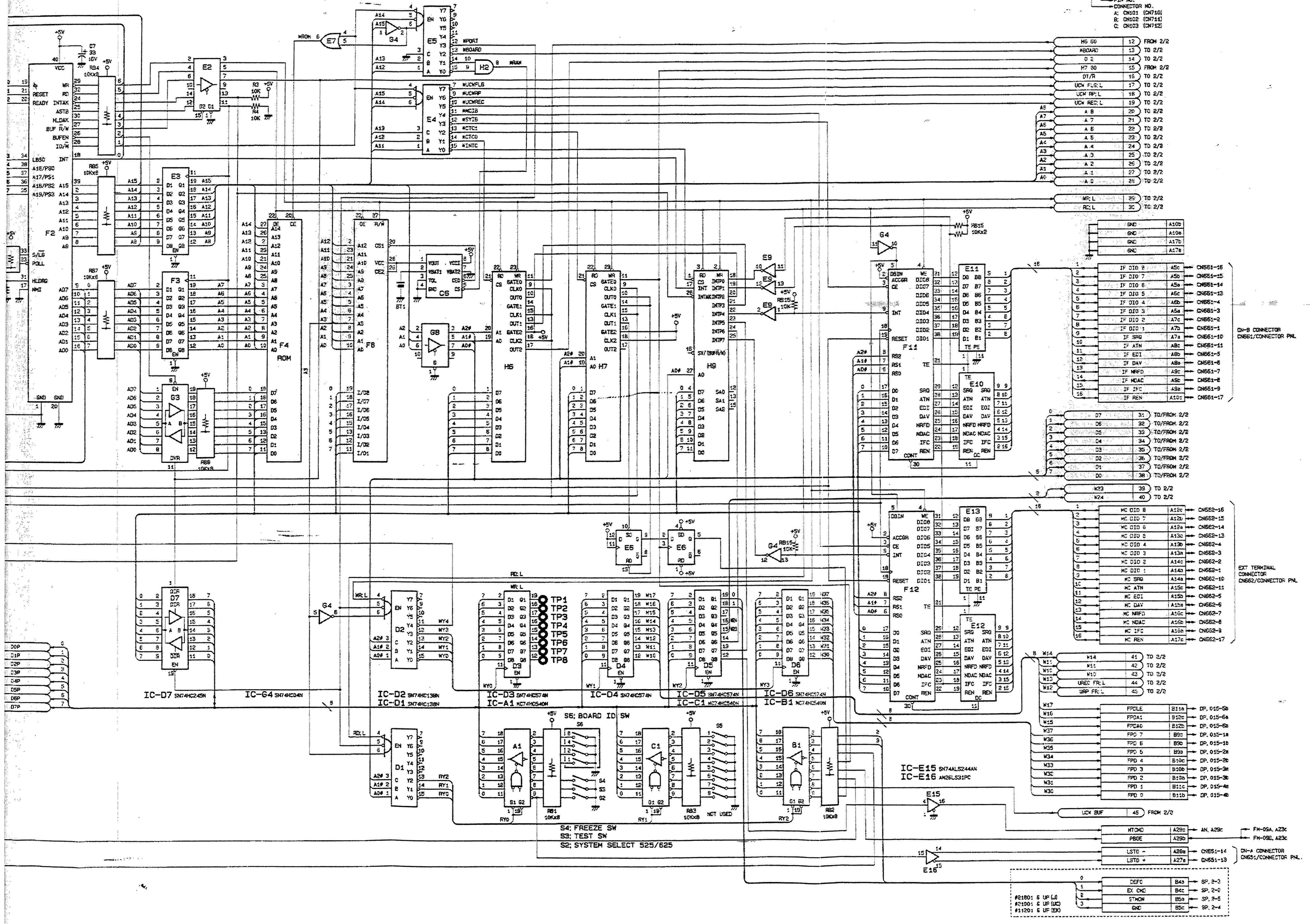
IF-139 BOARD (1/2)

TTP Interface


*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN710)
B: CN102 (CN711)
C: CN103 (CN712)
IC-H1 TL7705CP
IC-G4 SN74HC04N
IC-H12 SN74HC163N
IC-H5 SN74HC74N
IC-H11 SN74HC04N
IC-H3 CXG71011P
IC-H13 SN74HC393N
IC-F2 uPD70108D-8
IC-E3 SN74HC573N
IC-F3 SN74HC573N
IC-G3 CXG71086P
IC-E2 SN74HC367N
IC-F4 MBM27C256A-IF1390135
IC-E7 SN74HC32N
IC-F6 CXK5864AP-10L
IC-G4 SN74HC04N
IC-E5 SN74HC138N
IC-E4 SN74HC138N
IC-H2 SN74HC08N
IC-C6 DS1210
IC-G8 SN74HC367N
IC-H6 CXD71054P
IC-H7 CXG71054P
IC-E6 SN74HC74N
IC-H9 uPD71059C
IC-E9 SN74HC04N
IC-G4 SN74HC04N
IC-F11
IC-F12
S1 PUSH; SYSTEM RESET
X1 15MHz
E1-6
F4 ROM
IC2 NJM78L12
IC1 uPC7912H
IC-D7 SN74HC245N
IC-G4 SN74HC04N
IC-D2 SN74HC138N
IC-D1 SN74HC138N
IC-D3 SN74HC574N
IC-A1 MC74HC540N
IC-D4 SN74HC574N
IC-D5 SN74HC574N
IC-C1 MC74HC540N
IC-D6 SN74HC574N
IC-B1 MC74HC540N
TP1
TP2
TP3
TP4
TP5
TP6
TP7
TP8
S6: BOARD ID SW
S4: FREEZE SW
S3: TEST SW
S2: SYSTEM SELECT 525/625
NOT USED
FROM POWER SUPPLY CN3-9
SENSX
SENSY
IE A25c
IERDY
TO 2/2

IC-F2 uPD70108D-8 IC-E3 SN74HC573N IC-F3 SN74HC573N IC-G3 CXD71086P IC-E2 SN74HC367N IC-F4 MBM27C256A-IF139D135 IC-E7 SN74HC32N IC-F6 CXK5864AP-10L IC-G4 SN74HC04N IC-E5 SN74HC138N IC-E4 SN74HC138N IC-H2 SN74HC08N IC-C6 DS1210 IC-G8 SN74HC367N IC-H6 CXD71054P IC-H7 CXD71054P IC-E6 SN74HC74N IC-H9 uPD71059C IC-E9 SN74HC04N IC-G4 SN74HC04N IC-F11 TMS9914ANL IC-F12 TMS9914ANL IC-E11 SN75160AN IC-E10 SN75161AN IC-E13 SN75160AN IC-E12 SN75161AN

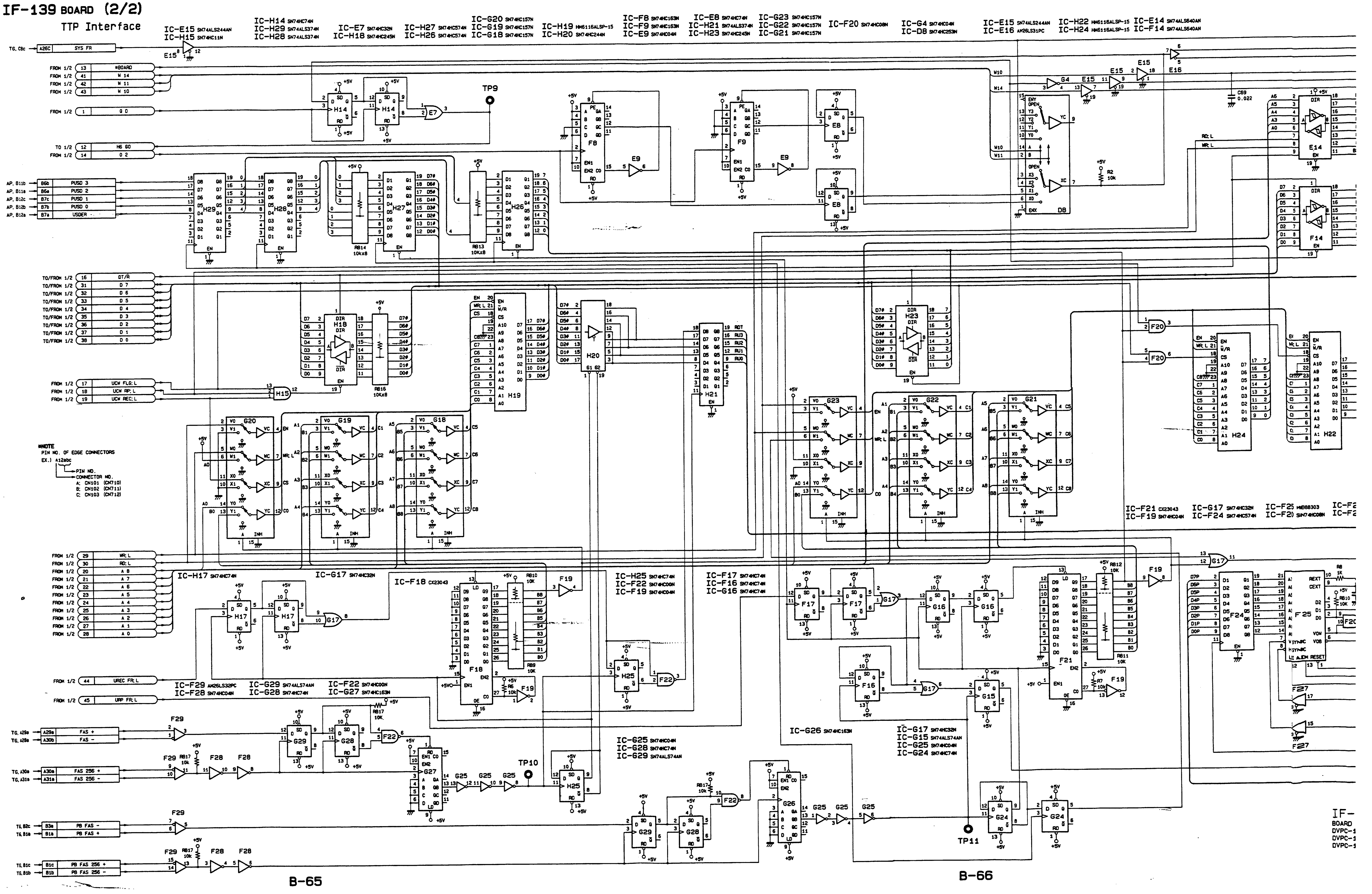
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A; CN101 (CN710)
B; CN102 (CN711)
C; CN103 (CN712)

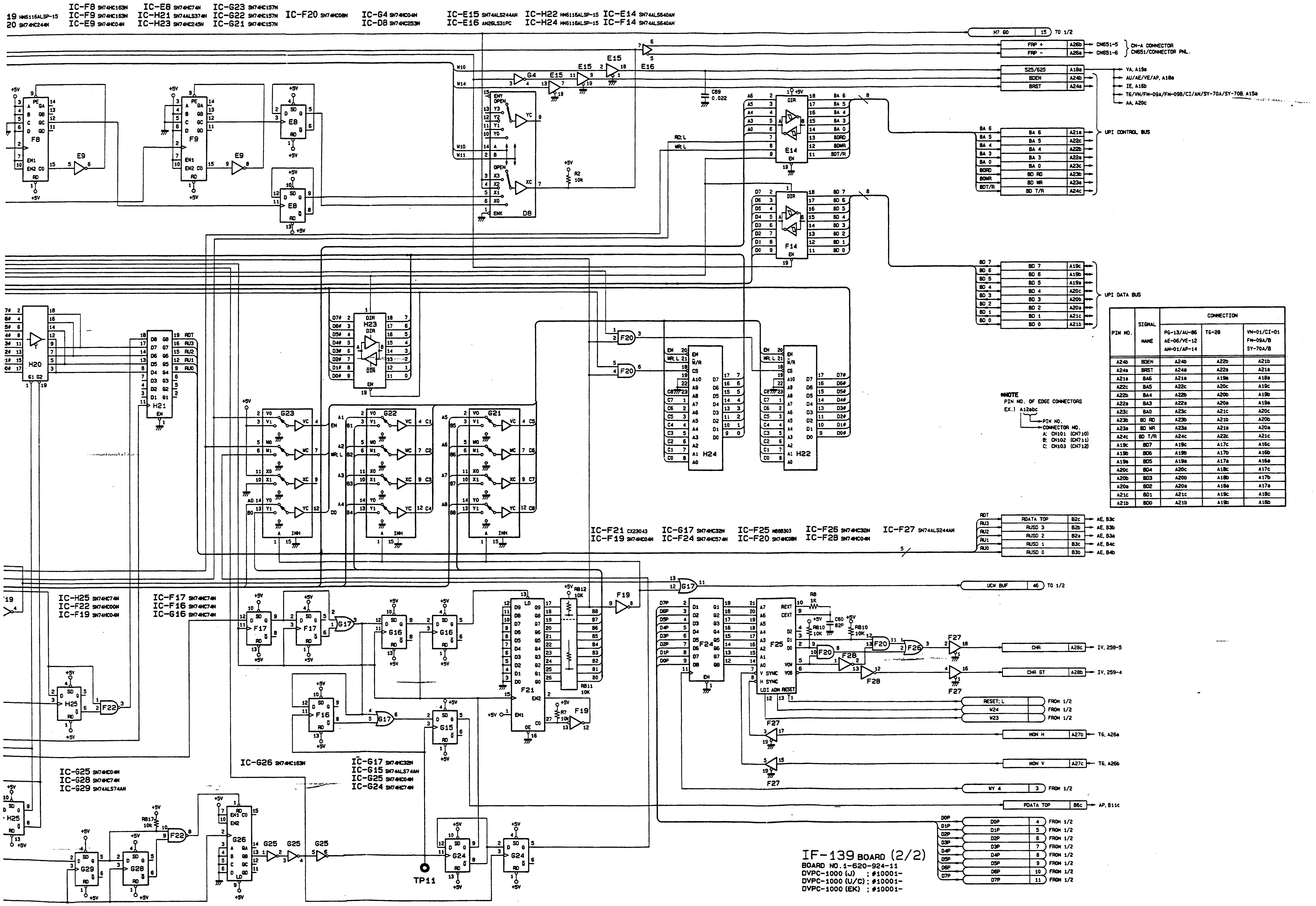

F2
E2
E3
F3
G3
F4
ROM
F6
G8
C5
H6
H7
H9
E5
E4
E7
H2
E9
G4
F11
E11
E10
F12
E13
E12
E6
D7
D2
D1
D3
D4
D5
D6
A1
C1
B1
E15
E16
TP1
TP2
TP3
TP4
TP5
TP6
TP7
TP8
S6: BOARD ID SW
S6
S5
NOT USED
S4: FREEZE SW
S3: TEST SW
S2: SYSTEM SELECT 525/625
IC-D7 SN74HC245N
IC-G4 SN74HC04N
IC-D2 SN74HC138N
IC-D1 SN74HC138N
IC-D3 SN74HC574N
IC-A1 MC74HC540N
IC-D4 SN74HC574N
IC-D5 SN74HC574N
IC-C1 MC74HC540N
IC-D6 SN74HC574N
IC-B1 MC74HC540N
IC-E15 SN74ALS244AN
IC-E16 AM26LS31PC
H6 G0
*BOARD
H7 G0
DT/R
UCW FLG:L
UCW RP:L
UCW REC:L
FROM 2/2
TO 2/2
TO/FROM 2/2
CN-B CONNECTOR
CN661/CONNECTOR PNL
EXT TERMINAL CONNECTOR
CN662/CONNECTOR PNL
CN-A CONNECTOR
CN651/CONNECTOR PNL
UCW BUF
MTCHC
PBOE
LSTD -
LSTD +
DEFC
EX CMC
STMON
GND
#2180: & UP (J)
#2100: & UP (UC)
#1120: & UP (EK)

IF-139 BOARD (1/2)
BOARD NO.1-620-924-11
DVPC-1000 (J) ; #10001-
DVPC-1000 (U/C) ; #10001-
DVPC-1000 (EK) ; #10001-

IF-139 BOARD (2/2)

TTP Interface


IC-E15 SN74ALS244AN
IC-H15 SN74HC11N
IC-H14 SN74HC74N
IC-H29 SN74ALS374N
IC-H28 SN74ALS374N
IC-E7 SN74HC32N
IC-H18 SN74HC245N
IC-H27 SN74HC574N
IC-H26 SN74HC574N
IC-G20 SN74HC157N
IC-G19 SN74HC157N
IC-G18 SN74HC157N
IC-H19 HM6116ALSP-15
IC-H20 SN74HC244N
IC-F8 SN74HC163N
IC-F9 SN74HC163N
IC-E9 SN74HC04N
IC-E8 SN74HC74N
IC-H21 SN74ALS374N
IC-H23 SN74HC245N
IC-G23 SN74HC157N
IC-G22 SN74HC157N
IC-G21 SN74HC157N
IC-F20 SN74HC08N
IC-G4 SN74HC04N
IC-D8 SN74HC253N
IC-E15 SN74ALS244AN
IC-E16 AM26LS31PC
IC-H22 HM6116ALSP-15
IC-H24 HM6116ALSP-15
IC-E14 SN74ALS640AN
IC-F14 SN74ALS640AN
TG, C8c A26C SYS FR
FROM 1/2 13 *BOARD
FROM 1/2 41 W 14
FROM 1/2 42 W 11
FROM 1/2 43 W 10
FROM 1/2 1 0 0
TO 1/2 12 H6 G0
FROM 1/2 14 0 2
AP, B11b B6b PUSD 3
AP, B11a B6a PUSD 2
AP, B12c B7c PUSD 1
AP, B12b B7b PUSD 0
AP, B12a B7a USDER
TO/FROM 1/2 16 DT/R
TO/FROM 1/2 31 D 7
TO/FROM 1/2 32 D 6
TO/FROM 1/2 33 D 5
TO/FROM 1/2 34 D 4
TO/FROM 1/2 35 D 3
TO/FROM 1/2 36 D 2
TO/FROM 1/2 37 D 1
TO/FROM 1/2 38 D 0
FROM 1/2 17 UCW FLG; L
FROM 1/2 18 UCW AP; L
FROM 1/2 19 UCW REC; L
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A; CN101 (CN710)
B; CN102 (CN711)
C; CN103 (CN712)
FROM 1/2 29 WR; L
FROM 1/2 30 RD; L
FROM 1/2 20 A 8
FROM 1/2 21 A 7
FROM 1/2 22 A 6
FROM 1/2 23 A 5
FROM 1/2 24 A 4
FROM 1/2 25 A 3
FROM 1/2 26 A 2
FROM 1/2 27 A 1
FROM 1/2 28 A 0
FROM 1/2 44 UREC FR; L
FROM 1/2 45 URP FR; L
TG, A29a A29a FAS +
TG, A29a A30b FAS -
TG, A30a A30a FAS 256 +
TG, A31a A31a FAS 256 -
TG, B2c B3a PB FAS -
TG, B1a B1a PB FAS +
TG, B1c B1c PB FAS 256 +
TG, B1b B1b PB FAS 256 -
IC-H17 SN74HC74N
IC-G17 SN74HC32N
IC-F18 CX23043
IC-H25 SN74HC74N
IC-F22 SN74HC00N
IC-F19 SN74HC04N
IC-F17 SN74HC74N
IC-F16 SN74HC74N
IC-G16 SN74HC74N
IC-F29 AM26LS32PC
IC-F28 SN74HC04N
IC-G29 SN74ALS74AN
IC-G28 SN74HC74N
IC-F22 SN74HC00N
IC-G27 SN74HC163N
IC-G25 SN74HC04N
IC-G28 SN74HC74N
IC-G29 SN74ALS74AN
IC-G26 SN74HC163N
IC-G17 SN74HC32N
IC-G15 SN74ALS74AN
IC-G25 SN74HC04N
IC-G24 SN74HC74N
IC-F21 CX23043
IC-F19 SN74HC04N
IC-G17 SN74HC32N
IC-F24 SN74HC574N
IC-F25 MB88303
IC-F20 SN74HC08N
TP9
TP10
TP11
RB14 10kx8
RB13 10kx8
RB15 10kx8
RB10 10K
RB9 10K
RB12 10K
RB11 10K
RB17 10K
R2 10k
R6 10k
R7 10k
R8 1K
C69 0.022
IF-
BOARD
DVPC-
DVPC-
DVPC-


19 HM6116ALSP-15
20 SN74HC244N
IC-F8 SN74HC163N
IC-F9 SN74HC163N
IC-E9 SN74HC04N
IC-E8 SN74HC74N
IC-H21 SN74ALS374N
IC-H23 SN74HC245N
IC-G23 SN74HC157N
IC-G22 SN74HC157N
IC-G21 SN74HC157N
IC-F20 SN74HC08N
IC-G4 SN74HC04N
IC-D8 SN74HC253N
IC-E15 SN74ALS244AN
IC-E16 AM26LS31PC
IC-H22 HM6116ALSP-15
IC-H24 HM6116ALSP-15
IC-E14 SN74ALS640AN
IC-F14 SN74ALS640AN
IC-F21 CX23043
IC-F19 SN74HC04N
IC-G17 SN74HC32N
IC-F24 SN74HC574N
IC-F25 MB88303
IC-F20 SN74HC08N
IC-F26 SN74HC32N
IC-F28 SN74HC04N
IC-F27 SN74ALS244AN
IC-H25 SN74HC74N
IC-F22 SN74HC00N
IC-F19 SN74HC04N
IC-F17 SN74HC74N
IC-F16 SN74HC74N
IC-G16 SN74HC74N
IC-G26 SN74HC163N
IC-G17 SN74HC32N
IC-G15 SN74ALS74AN
IC-G25 SN74HC04N
IC-G24 SN74HC74N
IC-G25 SN74HC04N
IC-G28 SN74HC74N
IC-G29 SN74ALS74AN
H7 G0 15 TO 1/2
FRP + A26b CN651-5
FRP - A26a CN651-6
CN-A CONNECTOR
CN651/CONNECTOR PNL.
525/625 A18a VA, A19a
BDEN A24b AU/AE/VE/AP, A18a
BRST A24a IE, A16b
TG/VN/FM-09A/FM-09B/CI/AN/SY-70A/SY-70B, A15a
AA, A20c
UPI CONTROL BUS
UPI DATA BUS
RDATA TOP B2c AE, B3c
RUSD 3 B2b AE, B3b
RUSD 2 B2a AE, B3a
RUSD 1 B3c AE, B4c
RUSD 0 B3b AE, B4b
UCK BUF 46 TO 1/2
CHR A28c IV, 259-5
CHR GT A28b IV, 259-4
RESET; L FROM 1/2
W24 FROM 1/2
W23 FROM 1/2
MON H A27b TG, A26a
MON V A27c TG, A26b
WY 4 3 FROM 1/2
PDATA TOP B6c AP, B11c
D0P–D7P 4–11 FROM 1/2
TP11

PIN NO.	SIGNAL NAME	CONNECTION		
		PG-13/AU-86 AE-06/VE-12 AN-01/AP-14	TG-28	VN-01/CI-01 FM-09A/B SY-70A/B
A24b	BDEN	A24b	A22b	A21b
A24a	BRST	A24a	A22a	A21a
A21a	BA6	A21a	A19a	A18a
A22c	BA5	A22c	A20c	A19c
A22b	BA4	A22b	A20b	A19b
A22a	BA3	A22a	A20a	A19a
A23c	BA0	A23c	A21c	A20c
A23b	BD RD	A23b	A21b	A20b
A23a	BD WR	A23a	A21a	A20a
A24c	BD T/R	A24c	A22c	A21c
A19c	BD7	A19c	A17c	A16c
A19b	BD6	A19b	A17b	A16b
A19a	BD5	A19a	A17a	A16a
A20c	BD4	A20c	A18c	A17c
A20b	BD3	A20b	A18b	A17b
A20a	BD2	A20a	A18a	A17a
A21c	BD1	A21c	A19c	A18c
A21b	BD0	A21b	A19b	A18b

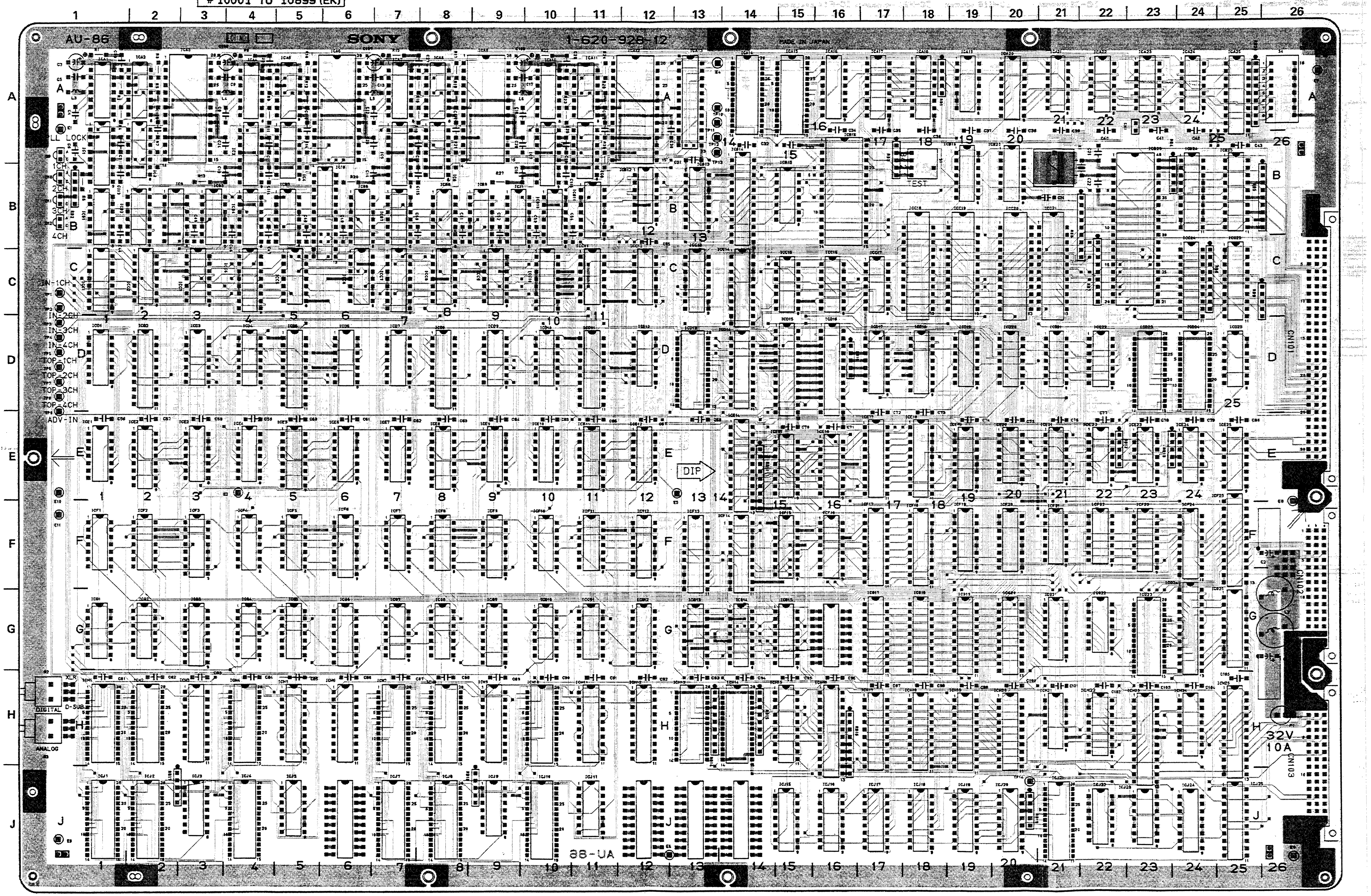
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN710)
B: CN102 (CN711)
C: CN103 (CN712)

IF-139 BOARD (2/2)
BOARD NO.1-620-924-11
DVPC-1000 (J) : #10001-
DVPC-1000 (U/C) : #10001-
DVPC-1000 (EK) : #10001-

AU-86 BOARD (1-620-928-12)

Component Side

10001 TO 10599 (J)
10001 TO 10899 (UC)
10001 TO 10899 (EK)


1
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20
21
22
23
24
25
26
A
B
C
D
E
F
G
H
J
AU-86
SONY
1-620-928-12
MADE IN JAPAN
LL LOCK
1CH
2CH
3CH
4CH
IN-1CH
IN-2CH
IN-3CH
IN-4CH
TOP-1CH
TOP-2CH
TOP-3CH
TOP-4CH
ADV-IN
DIP
TEST
XLR
DIGITAL
D-SUB
ANALOG
32V
10A
CN101
CN102
CN103
88-UA

1-620-928-12 COMPONENT SIDE

1-620-928-12 SOLDER SIDE

AU-86 (1-620-928-11,12)

DVPC-1000

CN1	A23	RB20	A25
CN101M	D26		
CN102M	F26	S1	B18
CN103M	H26	S2	H1
		S3	H1
D9	A1	S4	A26
D10	B1		
D11	B1	TP1	C1
D12	B1	TP2	C1
		TP3	D1
E1	A1	TP4	D1
E2	E4	TP5	D1
E3	J1	TP6	D1
E4	A13	TP7	D1
E5	E13	TP8	D1
E6	J12	TP9	E1
E7	A26	TP10	A13
E8	F26	TP11	A13
E9	J26	TP12	A13
E10	E1	TP13	A13
E11	F1	TP14	J20
F1	H26	X1	B21
IC1	A1		
IC2	A2		
IC3	A4		
IC4	A5		
IC5	A7		
IC6	A8		
IC7	A10		
IC8	A11		
IC9	B2		
IC10	B6		
IC11	B9		
RB1	A18		
RB2	B1		
RB3	A17		
RB4	B23		
RB5	B26		
RB6	B22		
RB7	C22		
RB8	C24		
RB9	C26		
RB10	D16		
RB11	E14		
RB12	E22		
RB13	E23		
RB14	H13		
RB15	H14		
RB16	H16		
RB17	J2		
RB18	J9		
RB19	J20		

AU-86 BOARD

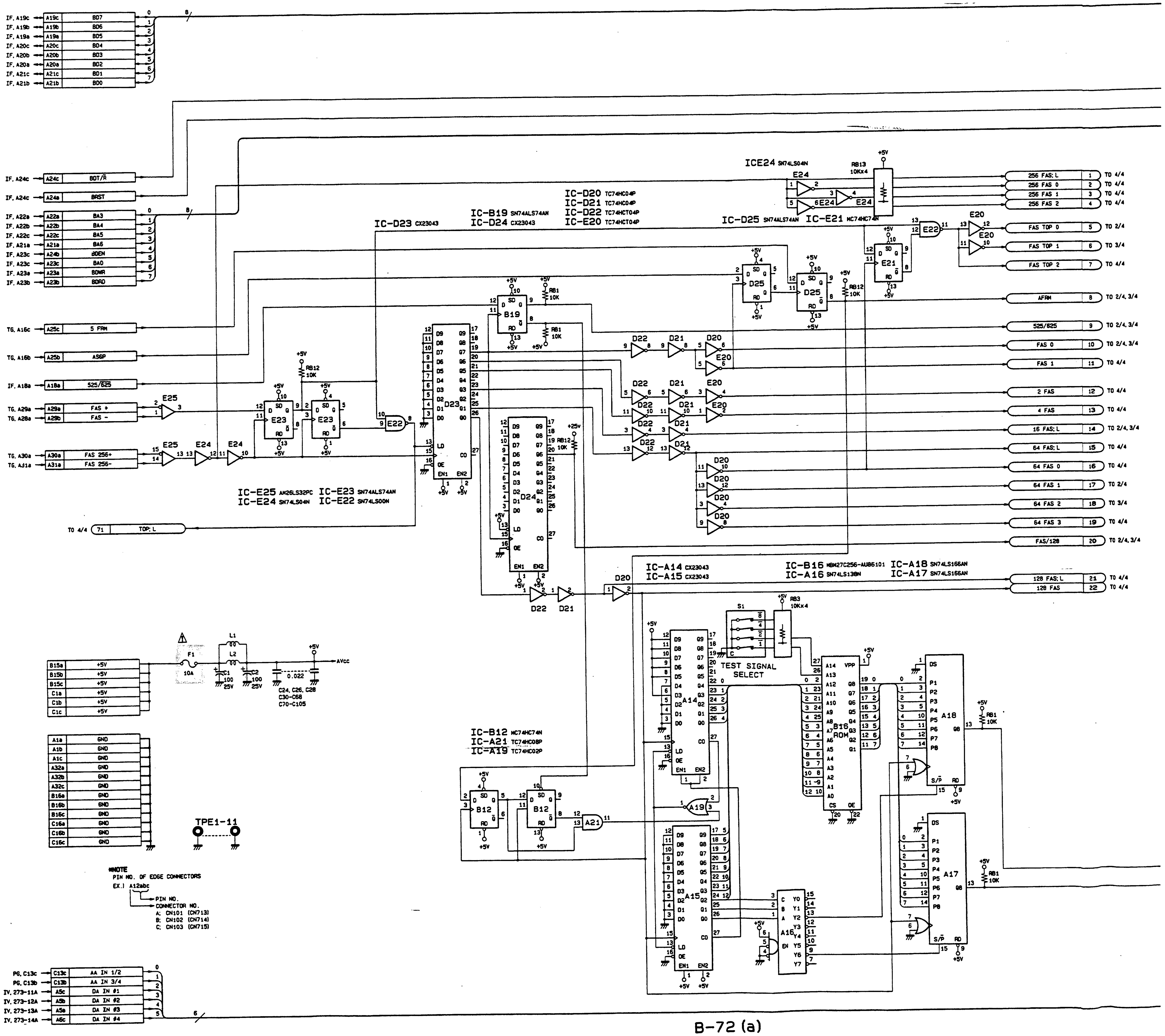
Ref. No.	Pin No.	
	+5V	GND
IC 1	16	8
IC 2	14	7
IC 3	16	8
IC 4	14	7
IC 5	16	8
IC 6	14	7
IC 7	16	8
IC 8	14	7
IC 9	14	7
IC 10	24	12
IC 11	14	7
IC A1	9	1
IC A2	14	7
IC A3	21	7
IC A4	9	1
IC A5	14	7
IC A6	21	7
IC A7	9	1
IC A8	14	7
IC A9	21	7
IC A10	9	1
IC A11	14	7
IC A12	21	7
IC A13	24	12
IC A14	28	14
IC A15	28	14
IC A16	16	8
IC A17	16	8
IC A18	16	8
IC A19	14	7
IC A20	16	8
IC A21	14	7
IC A22	14	7
IC A23	14	7
IC A24	14	7
IC A25	20	10
IC B1	14	7
IC B2	14	7
IC B3	14	7
IC B4	14	7
IC B5	14	7
IC B6	14	7
IC B7	14	7
IC B8	14	7
IC B9	14	7
IC B10	14	7
IC B11	14	7
IC B12	14	7
IC B13	16	8
IC B14	24	12
IC B15	14	7
IC B16	1, 28	14
IC B19	14	7
IC B20	14	7
IC B23	26, 40	20
IC B24	20	10
IC B25	20	10
IC C1	16	8
IC C2	14	7
IC C3	14	7
IC C4	16	8
IC C5	14	7
IC C6	14	7
IC C7	16	8
IC C8	14	7
IC C9	14	7
IC C10	16	8
IC C11	14	7
IC C12	14	7
IC C13	16	8
IC C14	20	10
IC C15	14	7
IC C16	14	7
IC C17	14	7
IC C18	24	12
IC C19	24	12
IC C20	24	12
IC C21	24	12
IC C24	20	10
IC C25	20	10
IC D1	14	7
IC D2	20	10
IC D3	14	7
IC D4	14	7
IC D5	20	10
IC D6	14	7
IC D7	14	7
IC D8	20	10
IC D9	14	7
IC D10	14	7
IC D11	20	10
IC D12	14	7
IC D13	28	14
IC D14	20	10
IC D15	24	12
IC D16	24	12
IC D17	16	8
IC D18	16	8
IC D19	14	7
IC D20	14	7
IC D21	14	7
IC D22	14	7
IC D23	28	14
IC D24	28	14
IC D25	14	7
IC E1	14	7
IC E2	16	8
IC E3	14	7
IC E4	14	7
IC E5	16	8
IC E6	14	7
IC E7	14	7
IC E8	16	8
IC E9	14	7
IC E10	14	7
IC E11	16	8
IC E12	14	7
IC E14	24	12
IC E15	16	8
IC E16	16	8
IC E17	20	10
IC E18	20	10
IC E19	16	8
IC E20	14	7
IC E21	14	7
IC E22	14	7
IC E23	14	7
IC E24	14	7
IC E25	16	8
IC F1	14	7
IC F2	14	7
IC F3	16	8
IC F4	14	7
IC F5	14	7
IC F6	16	8
IC F7	14	7
IC F8	14	7
IC F9	16	8
IC F10	14	7
IC F11	14	7
IC F12	16	8
IC F13	20	10
IC F14	20	10
IC F15	16	8
IC F16	16	8
IC F17	20	10
IC F18	20	10
IC F19	16	8
IC F20	16	8
IC F21	14	7
IC F22	14	7
IC F23	16	8
IC F24	18	9
IC F25	24	12
IC G1	14	7
IC G2	14	7
IC G3	16	8
IC G4	14	7
IC G5	14	7
IC G6	16	8
IC G7	14	7
IC G8	14	7
IC G9	16	8
IC G10	14	7
IC G11	14	7
IC G12	16	8
IC G13	16	8
IC G14	16	8
IC G15	16	8
IC G17	20	10
IC G18	20	10
IC G19	20	10
IC G20	20	10
IC G21	16	8
IC G22	14	7
IC G23	28	14
IC G24	24	12
IC G25	20	10
IC H1	28	14
IC H2	28	14
IC H3	20	10
IC H4	28	14
IC H5	20	10
IC H6	20	10
IC H7	28	14
IC H8	28	14
IC H9	20	10
IC H10	28	14
IC H11	20	10
IC H12	20	10
IC H13	28	14
IC H14	28	14
IC H15	20	10
IC H16	24	12
IC H17	20	10
IC H18	20	10
IC H19	20	10
IC H20	20	10
IC H21	14	7
IC H22	16	8
IC H23	24	12
IC H24	16	8
IC H25	24	12
IC J1	28	14
IC J2	28	14
IC J3	14	7
IC J4	28	14
IC J5	14	7
IC J7	28	14
IC J8	28	14
IC J9	14	7
IC J10	28	14
IC J11	14	7
IC J15	16	8
IC J16	16	8
IC J17	16	8
IC J18	16	8
IC J19	16	8
IC J20	16	8
IC J21	28	14
IC J22	14	7
IC J23	14	7
IC J24	16	8
IC J25	20	10

CARD RACK **AU-86 (1/4) BOARD** **AU-86 (1/4) BOARD** CARD RACK

AU-86 BOARD (1/4)

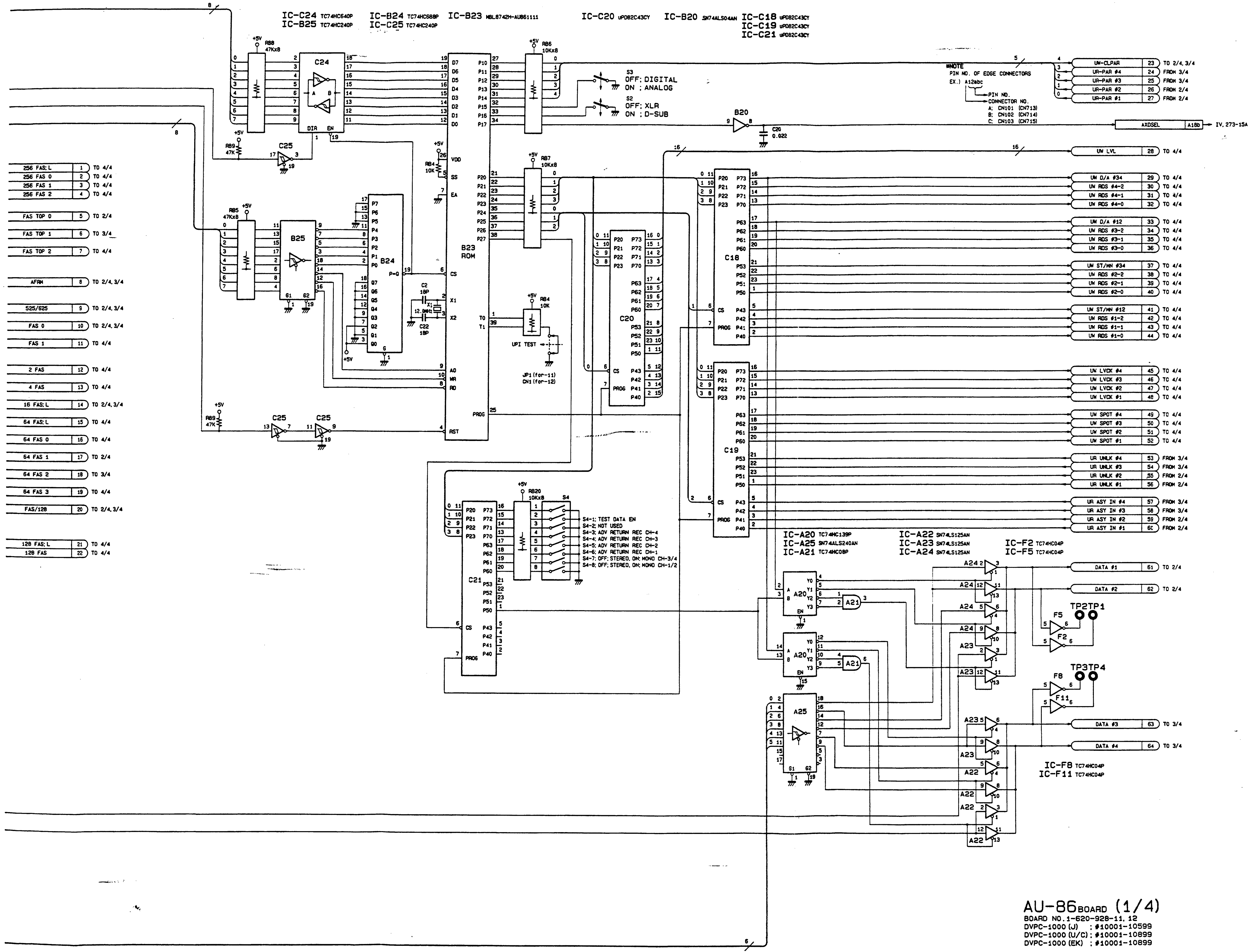
Audio Input

#10001 TO 10599 (J)
#10001 TO 10899 (UC)
#10001 TO 10899 (EK)


IF, A19c A19c BD7
IF, A19b A19b BD6
IF, A19a A19a BD5
IF, A20c A20c BD4
IF, A20b A20b BD3
IF, A20a A20a BD2
IF, A21c A21c BD1
IF, A21b A21b BD0
IF, A24c A24c BDT/R̄
IF, A24c A24a BRST
IF, A22a A22a BA3
IF, A22b A22b BA4
IF, A22c A22c BA5
IF, A21a A21a BA6
IF, A23c A24b BDEN
IF, A23c A23c BA0
IF, A23a A23a BDWR
IF, A23b A23b BDRD
TG, A16c A25c 5 FRM
TG, A16b A25b ASGP
IF, A18a A18a 525/625
TG, A29a A29a FAS +
TG, A28a A29b FAS −
TG, A30a A30a FAS 256+
TG, A31a A31a FAS 256−
TO 4/4 71 TOP: L
IC-D23 CX23043
IC-B19 SN74ALS74AN
IC-D24 CX23043
IC-D20 TC74HC04P
IC-D21 TC74HC04P
IC-D22 TC74HCT04P
IC-E20 TC74HCT04P
ICE24 SN74LS04N
RB13 10Kx4
IC-D25 SN74ALS74AN
IC-E21 MC74HC74N
IC-E25 AM26LS32PC
IC-E24 SN74LS04N
IC-E23 SN74ALS74AN
IC-E22 SN74LS00N
IC-A14 CX23043
IC-A15 CX23043
IC-B16 MBM27C256-AU86101
IC-A16 SN74LS138N
IC-A18 SN74LS166AN
IC-A17 SN74LS166AN
IC-B12 MC74HC74N
IC-A21 TC74HC08P
IC-A19 TC74HC02P
256 FAS; L 1 TO 4/4
256 FAS 0 2 TO 4/4
256 FAS 1 3 TO 4/4
256 FAS 2 4 TO 4/4
FAS TOP 0 5 TO 2/4
FAS TOP 1 6 TO 3/4
FAS TOP 2 7 TO 4/4
AFRM 8 TO 2/4, 3/4
525/625 9 TO 2/4, 3/4
FAS 0 10 TO 2/4, 3/4
FAS 1 11 TO 4/4
2 FAS 12 TO 4/4
4 FAS 13 TO 4/4
16 FAS; L 14 TO 2/4, 3/4
64 FAS; L 15 TO 4/4
64 FAS 0 16 TO 4/4
64 FAS 1 17 TO 2/4
64 FAS 2 18 TO 3/4
64 FAS 3 19 TO 4/4
FAS/128 20 TO 2/4, 3/4
128 FAS; L 21 TO 4/4
128 FAS 22 TO 4/4
S1
RB3 10Kx4
TEST SIGNAL SELECT
B16 ROM
A14
A15
A16
A17
A18
B15a +5V
B15b +5V
B15c +5V
C1a +5V
C1b +5V
C1c +5V
F1 10A
L1
L2
C1 100 25V
C2 100 25V
0.022
C24, C26, C28
C30–C68
C70–C105
AVcc
A1a GND
A1b GND
A1c GND
A32a GND
A32b GND
A32c GND
B16a GND
B16b GND
B16c GND
C16a GND
C16b GND
C16c GND
TPE1-11
PG, C13c C13c AA IN 1/2
PG, C13b C13b AA IN 3/4
IV, 273-11A A5c DA IN #1
IV, 273-12A A5b DA IN #2
IV, 273-13A A5a DA IN #3
IV, 273-14A A6c DA IN #4

*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
→PIN NO.
→CONNECTOR NO.
A; CN101 (CN713)
B; CN102 (CN714)
C; CN103 (CN715)

CARD RACK **AU-86 (1/4) BOARD** **AU-86 (1/4) BOARD** CARD RACK


IC-C24 TC74HC640P
IC-B25 TC74HC240P
IC-B24 TC74HC688P
IC-C25 TC74HC240P
IC-B23 MBL8742H-AU861111
IC-C20 uPD82C43CY
IC-B20 SN74ALS04AN
IC-C18 uPD82C43CY
IC-C19 uPD82C43CY
IC-C21 uPD82C43CY
IC-A20 TC74HC139P
IC-A25 SN74ALS240AN
IC-A21 TC74HC08P
IC-A22 SN74LS125AN
IC-A23 SN74LS125AN
IC-A24 SN74LS125AN
IC-F2 TC74HC04P
IC-F5 TC74HC04P
IC-F8 TC74HC04P
IC-F11 TC74HC04P
C24
B25
B24
B23
ROM
C20
C18
C19
C21
A20
A21
A25
R88 47Kx8
R85 47Kx8
R86 10Kx8
R87 10Kx8
R84 10K
R820 10Kx8
R89 47K
+5V
C2 18P
C22 18P
12.0MHz
X1
C20 0.022
S3
OFF: DIGITAL
ON : ANALOG
S2
OFF: XLR
ON : D-SUB
UPI TEST
JP1 (for-11)
CN1 (for-12)
S4
TP2 TP1
TP3 TP4
256 FAS; L 1 TO 4/4
256 FAS 0 2 TO 4/4
256 FAS 1 3 TO 4/4
256 FAS 2 4 TO 4/4
FAS TOP 0 5 TO 2/4
FAS TOP 1 6 TO 3/4
FAS TOP 2 7 TO 4/4
AFRM 8 TO 2/4, 3/4
525/625 9 TO 2/4, 3/4
FAS 0 10 TO 2/4, 3/4
FAS 1 11 TO 4/4
2 FAS 12 TO 4/4
4 FAS 13 TO 4/4
16 FAS; L 14 TO 2/4, 3/4
64 FAS; L 15 TO 4/4
64 FAS 0 16 TO 4/4
64 FAS 1 17 TO 2/4
64 FAS 2 18 TO 3/4
64 FAS 3 19 TO 4/4
FAS/128 20 TO 2/4, 3/4
128 FAS; L 21 TO 4/4
128 FAS 22 TO 4/4
UW-CLPAR 23 TO 2/4, 3/4
UR-PAR #4 24 FROM 3/4
UR-PAR #3 25 FROM 3/4
UR-PAR #2 26 FROM 2/4
UR-PAR #1 27 FROM 2/4
AXDSEL A18b IV, 273-15A
UW LVL 28 TO 4/4
UW D/A #34 29 TO 4/4
UW RDS #4-2 30 TO 4/4
UW RDS #4-1 31 TO 4/4
UW RDS #4-0 32 TO 4/4
UW D/A #12 33 TO 4/4
UW RDS #3-2 34 TO 4/4
UW RDS #3-1 35 TO 4/4
UW RDS #3-0 36 TO 4/4
UW ST/MN #34 37 TO 4/4
UW RDS #2-2 38 TO 4/4
UW RDS #2-1 39 TO 4/4
UW RDS #2-0 40 TO 4/4
UW ST/MN #12 41 TO 4/4
UW RDS #1-2 42 TO 4/4
UW RDS #1-1 43 TO 4/4
UW RDS #1-0 44 TO 4/4
UW LVCK #4 45 TO 4/4
UW LVCK #3 46 TO 4/4
UW LVCK #2 47 TO 4/4
UW LVCK #1 48 TO 4/4
UW SPOT #4 49 TO 4/4
UW SPOT #3 50 TO 4/4
UW SPOT #2 51 TO 4/4
UW SPOT #1 52 TO 4/4
UR UNLK #4 53 FROM 3/4
UR UNLK #3 54 FROM 3/4
UR UNLK #2 55 FROM 2/4
UR UNLK #1 56 FROM 2/4
UR ASY IN #4 57 FROM 3/4
UR ASY IN #3 58 FROM 3/4
UR ASY IN #2 59 FROM 2/4
UR ASY IN #1 60 FROM 2/4
DATA #1 61 TO 2/4
DATA #2 62 TO 2/4
DATA #3 63 TO 3/4
DATA #4 64 TO 3/4

*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
abc → PIN NO.
A → CONNECTOR NO.
A: CN101 (CN713)
B: CN102 (CN714)
C: CN103 (CN715)

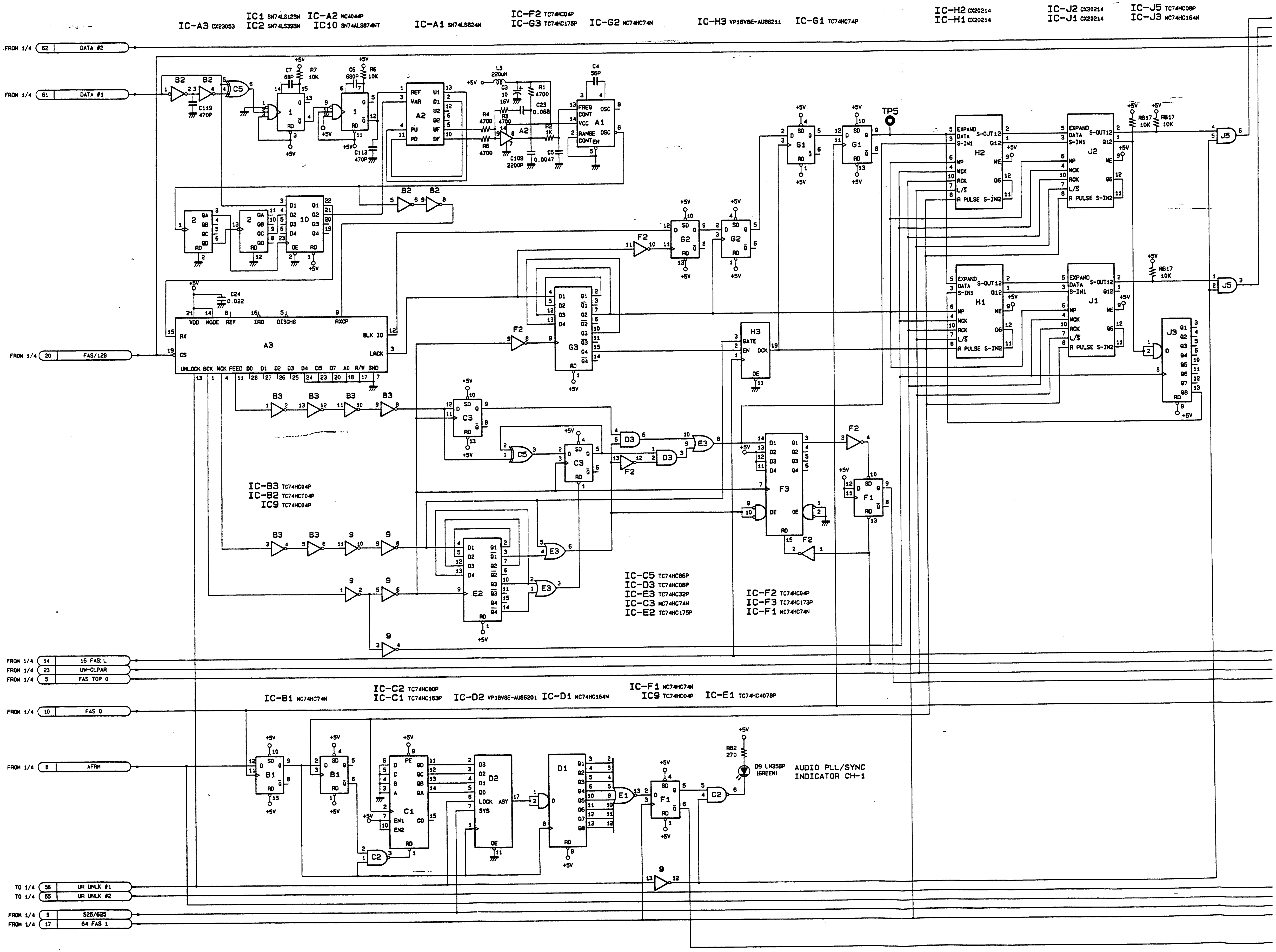
S4-1: TEST DATA EN
S4-2: NOT USED
S4-3: ADV RETURN REC CH-4
S4-4: ADV RETURN REC CH-3
S4-5: ADV RETURN REC CH-2
S4-6: ADV RETURN REC CH-1
S4-7: OFF: STEREO, ON: MONO CH-3/4
S4-8: OFF: STEREO, ON: MONO CH-1/2

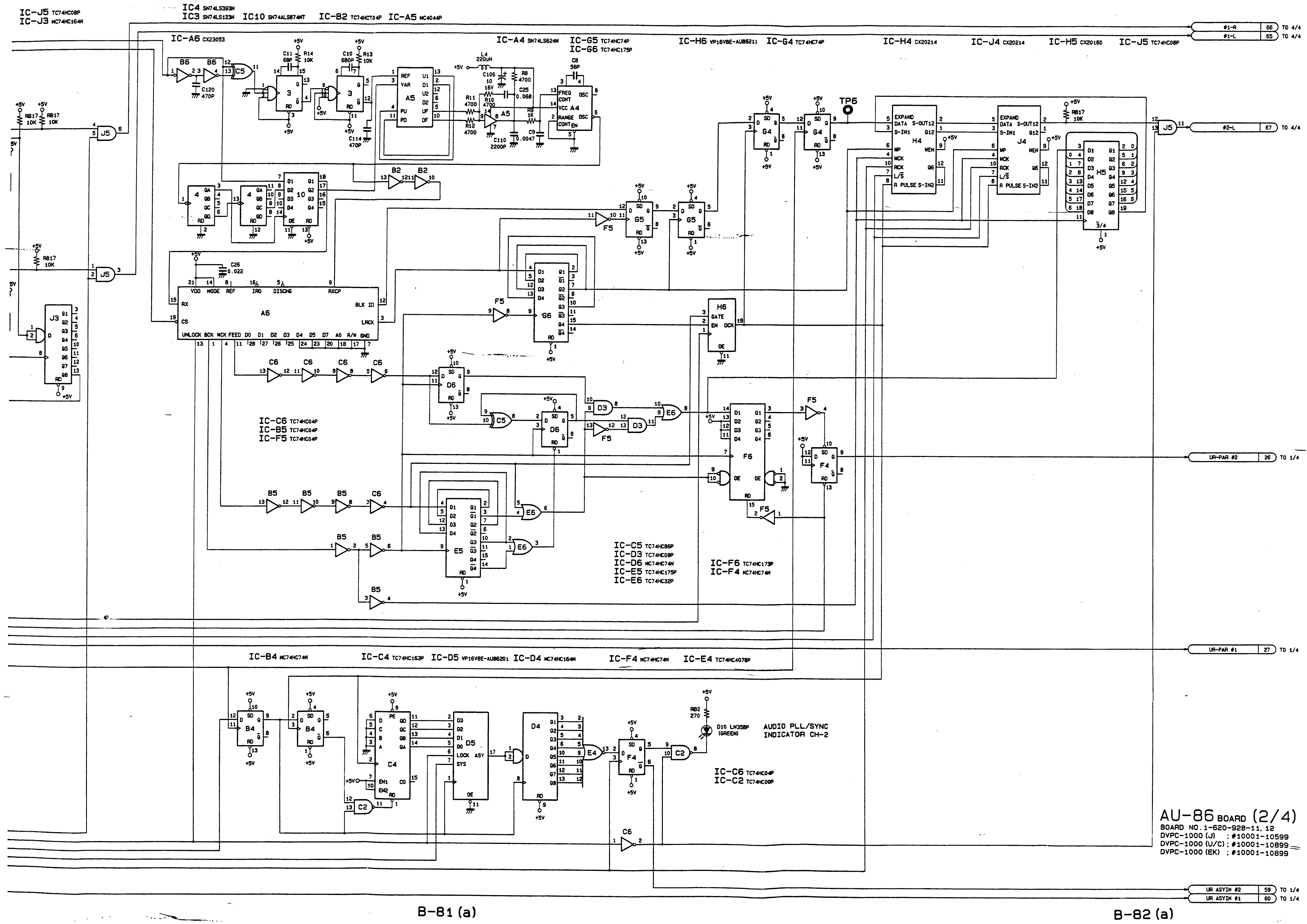
AU-86 BOARD (1/4)
BOARD NO. 1-620-928-11, 12
DVPC-1000 (J) : #10001-10599
DVPC-1000 (U/C) : #10001-10899
DVPC-1000 (EK) : #10001-10899

AU-86 BOARD (2/4)

Audio Input

#10001 TO 10599 (J)
#10001 TO 10899 (UC)
#10001 TO 10899 (EK)


IC-A3 CX23053
IC1 SN74LS123N
IC2 SN74LS393N
IC-A2 MC4044P
IC10 SN74ALS874NT
IC-A1 SN74LS624N
IC-F2 TC74HC04P
IC-G3 TC74HC175P
IC-G2 MC74HC74N
IC-H3 VP16V8E-AU86211
IC-G1 TC74HC74P
IC-H2 CX20214
IC-H1 CX20214
IC-J2 CX20214
IC-J1 CX20214
IC-J5 TC74HC08P
IC-J3 MC74HC164N
FROM 1/4 62 DATA #2
FROM 1/4 61 DATA #1
FROM 1/4 20 FAS/128
L3 220uH
C4 56P
C7 68P
R7 10K
C6 680P
R6 10K
C119 470P
C113 470P
R4 4700
R5 4700
R3 4700
R1 4700
R2 1K
C3 10 16V
C23 0.068
C5 0.0047
C109 2200P
C24 0.022
TP5
RB17 10K
A3
A2
A1
H3
G3
G2
G1
H2
H1
J2
J1
J3
J5
IC-B3 TC74HC04P
IC-B2 TC74HCT04P
IC9 TC74HC04P
IC-C5 TC74HC86P
IC-D3 TC74HC08P
IC-E3 TC74HC32P
IC-C3 MC74HC74N
IC-E2 TC74HC175P
IC-F2 TC74HC04P
IC-F3 TC74HC173P
IC-F1 MC74HC74N
FROM 1/4 14 16 FAS;L
FROM 1/4 23 UN-CLPAR
FROM 1/4 5 FAS TOP 0
FROM 1/4 10 FAS 0
FROM 1/4 8 AFRM
IC-B1 MC74HC74N
IC-C2 TC74HC00P
IC-C1 TC74HC163P
IC-D2 VP16V8E-AU86201
IC-D1 MC74HC164N
IC-F1 MC74HC74N
IC9 TC74HC04P
IC-E1 TC74HC4078P
RB2 270
D9 LN358P (GREEN)
AUDIO PLL/SYNC INDICATOR CH-1
TO 1/4 56 UR UNLK #1
TO 1/4 55 UR UNLK #2
FROM 1/4 9 525/625
FROM 1/4 17 64 FAS 1
+5V

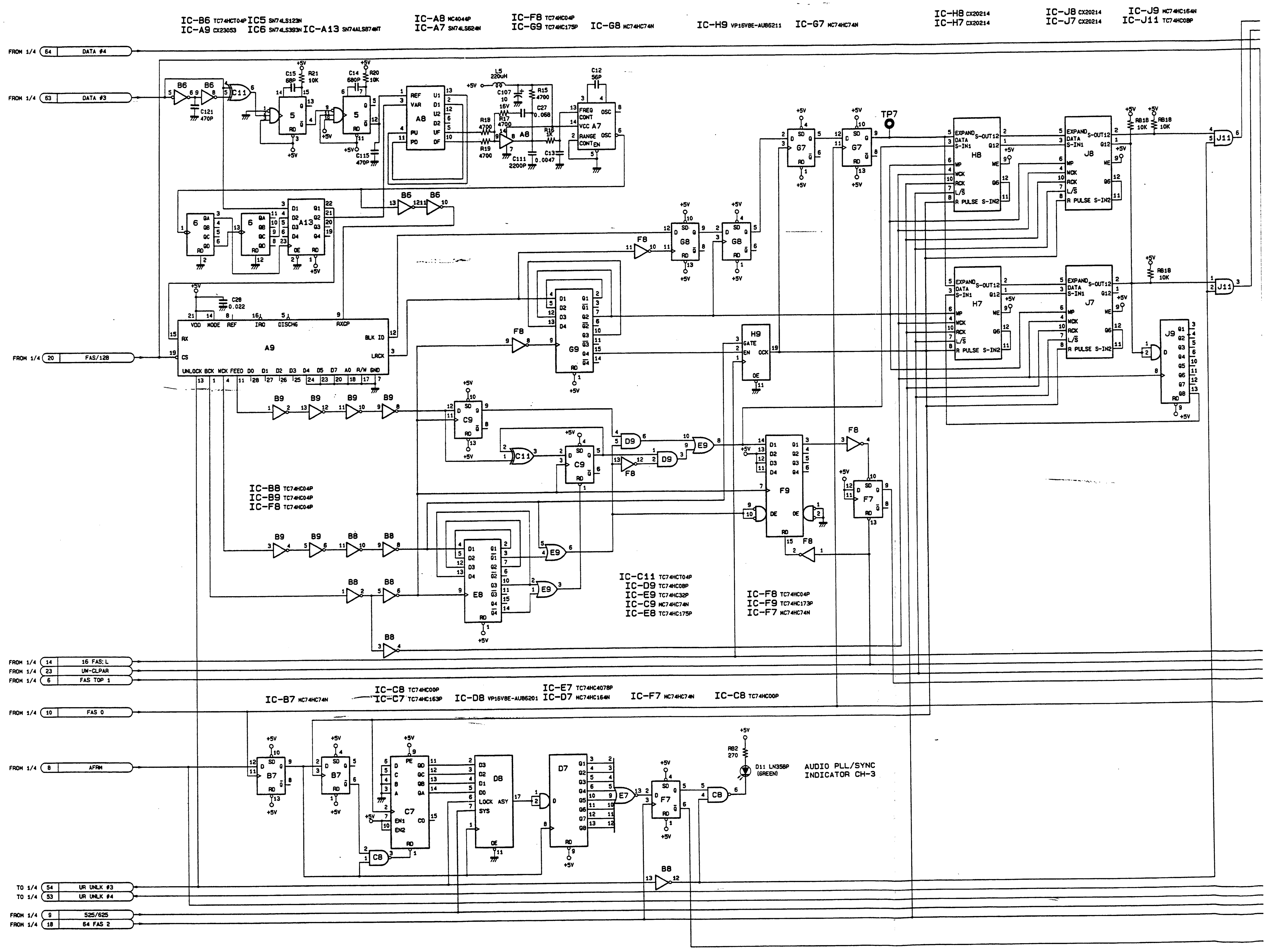

IC-J5 TC74HC08P
IC-J3 MC74HC164N
IC4 SN74LS393N
IC3 SN74LS123N
IC10 SN74ALS874NT
IC-B2 TC74HCT04P
IC-A5 MC4044P
IC-A6 CX23053
IC-A4 SN74LS624N
IC-G5 TC74HC74P
IC-G6 TC74HC175P
IC-H6 VP16V8E-AU86211
IC-G4 TC74HC74P
IC-H4 CX20214
IC-J4 CX20214
IC-H5 CX20160
IC-J5 TC74HC08P
#1-R 66 TO 4/4
#1-L 65 TO 4/4
#2-L 67 TO 4/4
TP6
IC-C6 TC74HC04P
IC-B5 TC74HC04P
IC-F5 TC74HC04P
IC-C5 TC74HC86P
IC-D3 TC74HC08P
IC-D6 MC74HC74N
IC-E5 TC74HC175P
IC-E6 TC74HC32P
IC-F6 TC74HC173P
IC-F4 MC74HC74N
UR-PAR #2 26 TO 1/4
UR-PAR #1 27 TO 1/4
IC-B4 MC74HC74N
IC-C4 TC74HC163P
IC-D5 VP16V8E-AU86201
IC-D4 MC74HC164N
IC-F4 MC74HC74N
IC-E4 TC74HC4078P
D10 LN358P (GREEN)
AUDIO PLL/SYNC INDICATOR CH-2
IC-C6 TC74HC04P
IC-C2 TC74HC00P
UR ASYIN #2 59 TO 1/4
UR ASYIN #1 60 TO 1/4

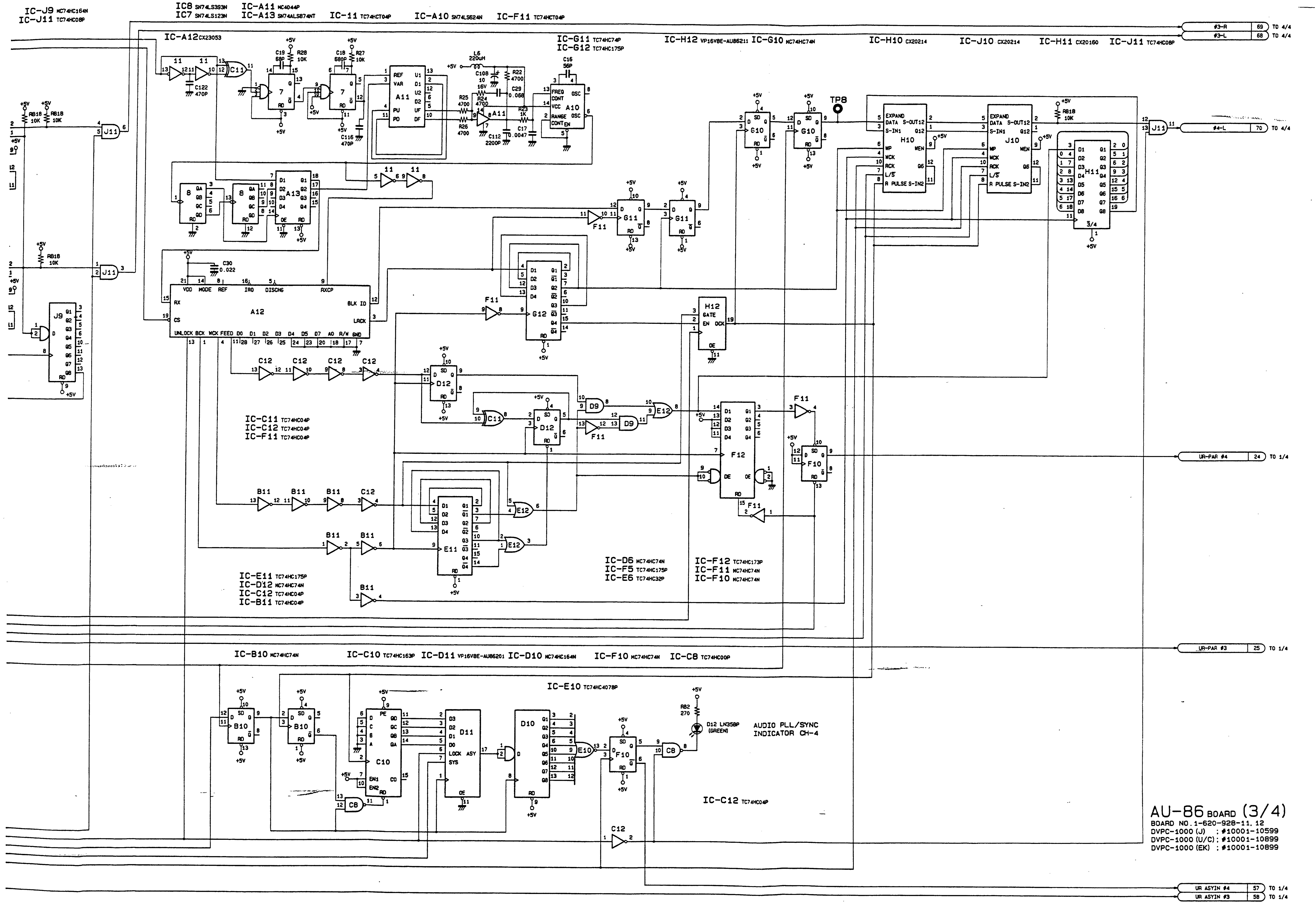
AU-86 BOARD (2/4)
BOARD NO.1-620-928-11, 12
DVPC-1000 (J) : #10001-10599
DVPC-1000 (U/C) : #10001-10899
DVPC-1000 (EK) : #10001-10899

AU-86 BOARD (3/4)

Audio Input

#10001 TO 10599 (J)
#10001 TO 10899 (UC)
#10001 TO 10899 (EK)


IC-B6 TC74HCT04P
IC-A9 CX23053
IC5 SN74LS123N
IC6 SN74LS393N
IC-A13 SN74ALS874NT
IC-A8 MC4044P
IC-A7 SN74LS624N
IC-F8 TC74HC04P
IC-G9 TC74HC175P
IC-G8 MC74HC74N
IC-H9 VP16V8E-AU86211
IC-G7 MC74HC74N
IC-H8 CX20214
IC-H7 CX20214
IC-J8 CX20214
IC-J7 CX20214
IC-J9 MC74HC164N
IC-J11 TC74HC08P
FROM 1/4 64 DATA #4
FROM 1/4 63 DATA #3
FROM 1/4 20 FAS/128
A9
A8
A7
A13
G9
G8
G7
H9
H8
H7
J8
J7
J9
J11
TP7
L5 220uH
C12 56P
C15 68P
R21 10K
C14 680P
R20 10K
C121 470P
C115 470P
C28 0.022
C107 10 16V
R15 4700
C27 0.068
R18 4700
R17 4700
R19 4700
R16 1K
C111 2200P
C13 0.0047
RB18 10K
IC-B8 TC74HC04P
IC-B9 TC74HC04P
IC-F8 TC74HC04P
IC-C11 TC74HCT04P
IC-D9 TC74HC08P
IC-E9 TC74HC32P
IC-C9 MC74HC74N
IC-E8 TC74HC175P
IC-F8 TC74HC04P
IC-F9 TC74HC173P
IC-F7 MC74HC74N
FROM 1/4 14 16 FAS; L
FROM 1/4 23 UW-CLPAR
FROM 1/4 6 FAS TOP 1
IC-B7 MC74HC74N
IC-C8 TC74HC00P
IC-C7 TC74HC163P
IC-D8 VP16V8E-AU86201
IC-E7 TC74HC4078P
IC-D7 MC74HC164N
IC-F7 MC74HC74N
IC-C8 TC74HC00P
FROM 1/4 10 FAS 0
FROM 1/4 8 AFRM
B7
C7
D8
D7
E7
F7
C8
RB2 270
D11 LN358P (GREEN)
AUDIO PLL/SYNC INDICATOR CH-3
TO 1/4 54 UR UNLK #3
TO 1/4 53 UR UNLK #4
FROM 1/4 9 525/625
FROM 1/4 18 64 FAS 2


IC-J9 MC74HC164N
IC-J11 TC74HC08P
IC8 SN74LS393N
IC7 SN74LS123N
IC-A11 MC4044P
IC-A13 SN74ALS874NT
IC-11 TC74HCT04P
IC-A10 SN74LS624N
IC-F11 TC74HCT04P
IC-A12 CX23053
IC-G11 TC74HC74P
IC-G12 TC74HC175P
IC-H12 VP16V8E-AU86211
IC-G10 MC74HC74N
IC-H10 CX20214
IC-J10 CX20214
IC-H11 CX20160
IC-J11 TC74HC08P
TP8
IC-C11 TC74HC04P
IC-C12 TC74HC04P
IC-F11 TC74HC04P
IC-E11 TC74HC175P
IC-D12 MC74HC74N
IC-C12 TC74HC04P
IC-B11 TC74HC04P
IC-D6 MC74HC74N
IC-F5 TC74HC175P
IC-E6 TC74HC32P
IC-F12 TC74HC173P
IC-F11 MC74HC74N
IC-F10 MC74HC74N
IC-B10 MC74HC74N
IC-C10 TC74HC163P
IC-D11 VP16V8E-AU86201
IC-D10 MC74HC164N
IC-F10 MC74HC74N
IC-C8 TC74HC00P
IC-E10 TC74HC4078P
D12 LN358P (GREEN)
AUDIO PLL/SYNC INDICATOR CH-4
IC-C12 TC74HC04P
#3-R 69 TO 4/4
#3-L 68 TO 4/4
#4-L 70 TO 4/4
UR-PAR #4 24 TO 1/4
UR-PAR #3 25 TO 1/4
UR ASYIN #4 57 TO 1/4
UR ASYIN #3 58 TO 1/4

AU-86 BOARD (3/4)
BOARD NO.1-620-928-11, 12
DVPC-1000 (J) : #10001-10599
DVPC-1000 (U/C) : #10001-10899
DVPC-1000 (EK) : #10001-10899

CARD RACK **AU-86 (4/4)** BOARD **AU-86 (4/4)** BOARD CARD RACK

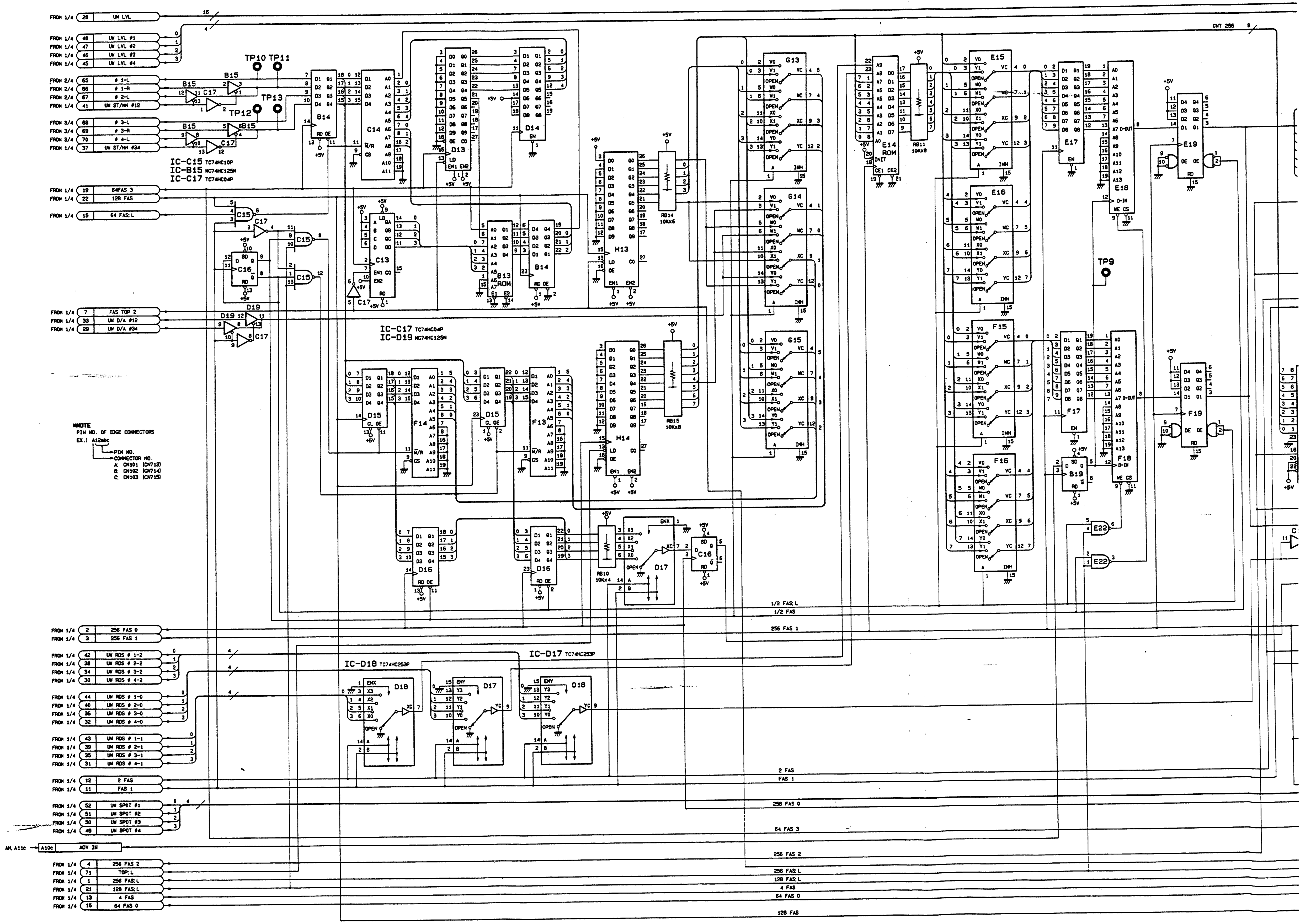
AU-86 BOARD (4/4)

Audio Input

#10001 TO 10599 (J)
#10001 TO 10899 (UC)
#10001 TO 10899 (EK)

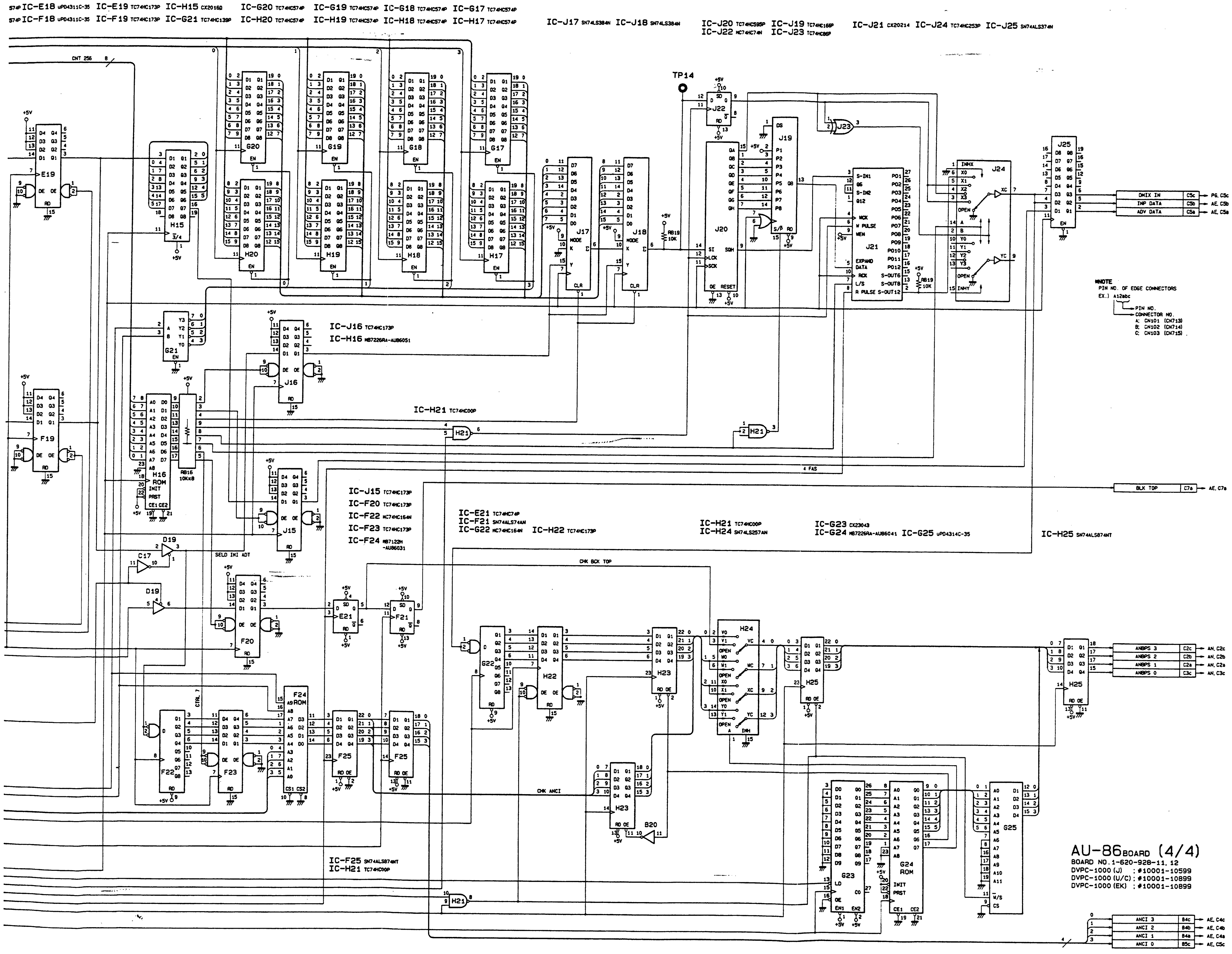
IC-C16 MC74HC74N IC-C14 uPD4314C-35 IC-D15 SN74ALS874NT IC-D16 SN74ALS874NT IC-D14 MC74HCT374N IC-B14 SN74ALS874NT IC-F13 uPD4314C-35 IC-H13 CX23043 IC-G13 SN74ALS257N IC-G14 SN74ALS257N IC-E14 HB7232RA-AU86021 IC-E16 TC74HC257P IC-F16 TC74HC257P ~~IC-~~E17 TC74HC574P IC-E18 uPD4311C-35 IC-E19 TC74HC17

IC-B14 SN74ALS874NT IC-C13 TC74HC163P IC-F14 uPD4314C-35 IC-D13 CX23043 IC-B13 HB7114H-AU86011 IC-D15 SN74ALS874NT IC-D16 SN74ALS874NT IC-H14 CX23043 IC-C16 MC74HC74N IC-G15 SN74ALS257N IC-E15 TC74HC257P IC-F15 TC74HC257P IC-B19 SN74ALS74AN IC-F17 TC74HC574P IC-F18 uPD4311C-35 IC-F19 TC74HC17



FROM 1/4 28 UW LVL
FROM 1/4 48 UW LVL #1
FROM 1/4 47 UW LVL #2
FROM 1/4 46 UW LVL #3
FROM 1/4 45 UW LVL #4
FROM 2/4 65 # 1-L
FROM 2/4 66 # 1-R
FROM 2/4 67 # 2-L
FROM 1/4 41 UW ST/MN #12
FROM 3/4 68 # 3-L
FROM 3/4 69 # 3-R
FROM 3/4 70 # 4-L
FROM 1/4 37 UW ST/MN #34
FROM 1/4 19 64FAS 3
FROM 1/4 22 128 FAS
FROM 1/4 15 64 FAS: L
FROM 1/4 7 FAS TOP 2
FROM 1/4 33 UW D/A #12
FROM 1/4 29 UW D/A #34
FROM 1/4 2 256 FAS 0
FROM 1/4 3 256 FAS 1
FROM 1/4 42 UW RDS # 1-2
FROM 1/4 38 UW RDS # 2-2
FROM 1/4 34 UW RDS # 3-2
FROM 1/4 30 UW RDS # 4-2
FROM 1/4 44 UW RDS # 1-0
FROM 1/4 40 UW RDS # 2-0
FROM 1/4 36 UW RDS # 3-0
FROM 1/4 32 UW RDS # 4-0
FROM 1/4 43 UW RDS # 1-1
FROM 1/4 39 UW RDS # 2-1
FROM 1/4 35 UW RDS # 3-1
FROM 1/4 31 UW RDS # 4-1
FROM 1/4 12 2 FAS
FROM 1/4 11 FAS 1
FROM 1/4 52 UW SPOT #1
FROM 1/4 51 UW SPOT #2
FROM 1/4 50 UW SPOT #3
FROM 1/4 49 UW SPOT #4
AN, A11c A10c ADV IN
FROM 1/4 4 256 FAS 2
FROM 1/4 71 TOP; L
FROM 1/4 1 256 FAS; L
FROM 1/4 21 128 FAS; L
FROM 1/4 13 4 FAS
FROM 1/4 16 64 FAS 0
TP10 TP11
TP12 TP13
TP9
B15
C17
B14
C14
D13
D14
IC-C15 TC74HC10P
IC-B15 MC74HC125M
IC-C17 TC74HC04P
C15
C16
C13
B13 ROM
D19
IC-C17 TC74HC04P
IC-D19 MC74HC125M
D15
F14
F13
H13
H14
RB14 10Kx8
RB15 10Kx8
RB10 10Kx4
D16
D17
G13
G14
G15
E14 ROM
RB11 10Kx8
E15
E16
F15
F16
E17
E18
E19
F17
F18
F19
B19
E22
IC-D18 TC74HC253P
IC-D17 TC74HC253P
D18
CNT 256
1/2 FAS; L
1/2 FAS
256 FAS 1
2 FAS
FAS 1
256 FAS 0
64 FAS 3
256 FAS 2
256 FAS; L
128 FAS; L
4 FAS
64 FAS 0
128 FAS
+5V

*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN713)
B: CN102 (CN714)
C: CN103 (CN715)


574P IC-E18 uPD4311C-35 IC-E19 TC74HC173P IC-H15 CX20160 IC-G20 TC74HC574P IC-G19 TC74HC574P IC-G18 TC74HC574P IC-G17 TC74HC574P
574P IC-F18 uPD4311C-35 IC-F19 TC74HC173P IC-G21 TC74HC139P IC-H20 TC74HC574P IC-H19 TC74HC574P IC-H18 TC74HC574P IC-H17 TC74HC574P
IC-J17 SN74LS384N IC-J18 SN74LS384N
IC-J20 TC74HC595P IC-J19 TC74HC166P
IC-J22 MC74HC74N IC-J23 TC74HC86P
IC-J21 CX20214 IC-J24 TC74HC253P IC-J25 SN74ALS374N
IC-J16 TC74HC173P
IC-H16 MB7226RA-AU86051
IC-H21 TC74HC00P
IC-J15 TC74HC173P
IC-F20 TC74HC173P
IC-F22 MC74HC164N
IC-F23 TC74HC173P
IC-F24 MB7122M -AU86031
IC-E21 TC74HC74P
IC-F21 SN74ALS74AN
IC-G22 MC74HC164N IC-H22 TC74HC173P
IC-H21 TC74HC00P
IC-H24 SN74LS257AN
IC-G23 CX23043
IC-G24 MB7226RA-AU86041 IC-G25 uPD4314C-35
IC-H25 SN74ALS874NT
IC-F25 SN74ALS874NT
IC-H21 TC74HC00P
CNT 256
TP14
DMIX IN C5c P6, C5c
INP DATA C5b AE, C5b
ADV DATA C5a AE, C5a
BLK TOP C7a AE, C7a
4 FAS
SELD INI ADT
CHK BCK TOP
CHK ANCI
CTRL 7
ANBPS 3 C2c AN, C2c
ANBPS 2 C2b AN, C2b
ANBPS 1 C2a AN, C2a
ANBPS 0 C3c AN, C3c
ANCI 3 B4c AE, C4c
ANCI 2 B4b AE, C4b
ANCI 1 B4a AE, C4a
ANCI 0 B5c AE, C5c
RB16 10K×8
RB19 10K

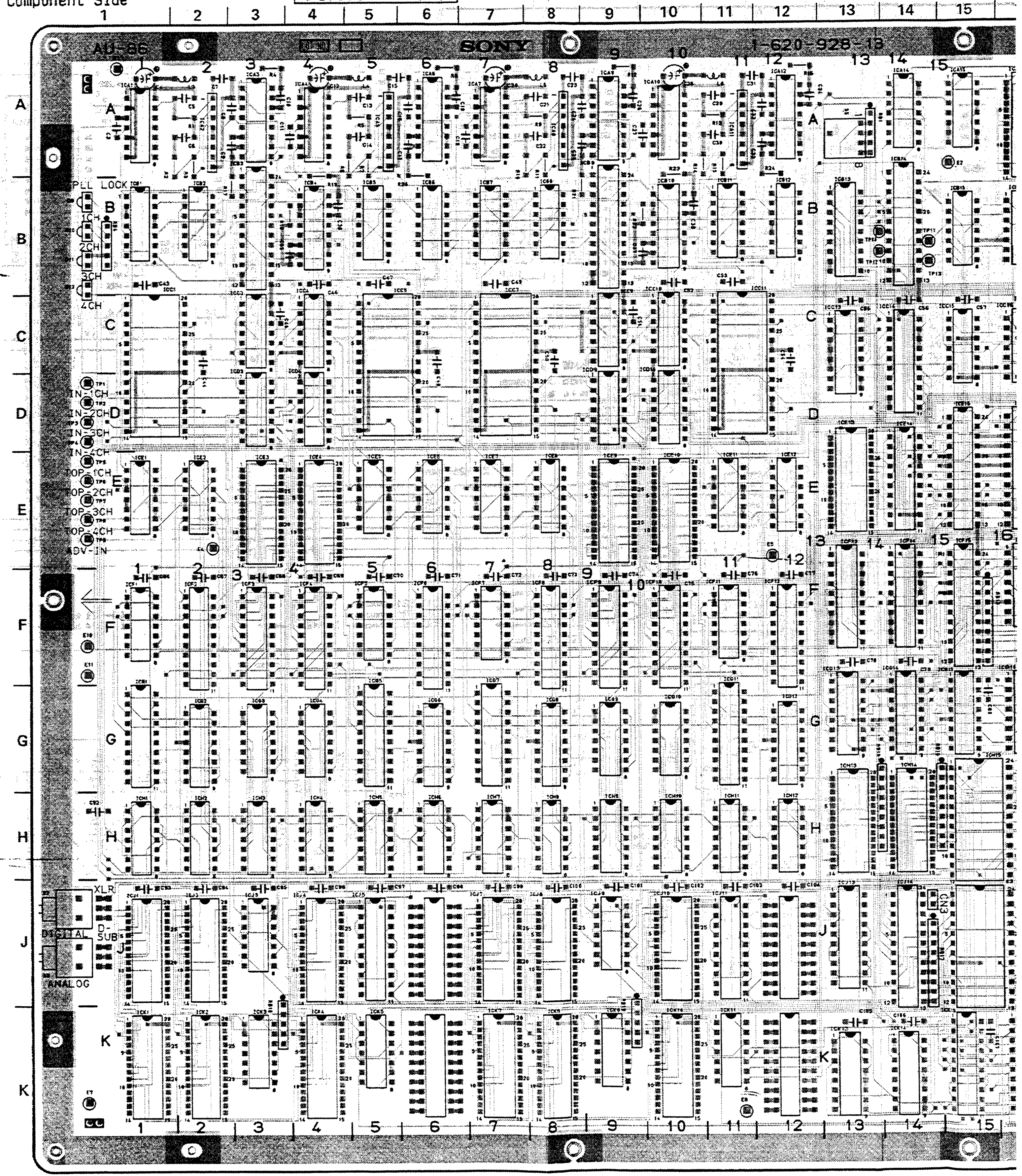
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN713)
B: CN102 (CN714)
C: CN103 (CN715)

AU-86BOARD (4/4)
BOARD NO.1-620-928-11, 12
DVPC-1000 (J) : #10001-10599
DVPC-1000 (U/C) : #10001-10899
DVPC-1000 (EK) : #10001-10899

AU-86 BOARD (1-620-928-13)

Component Side

#10601 & UP (J)
#10901 & UP (UC)
#10901 & UP (EK)


1
2
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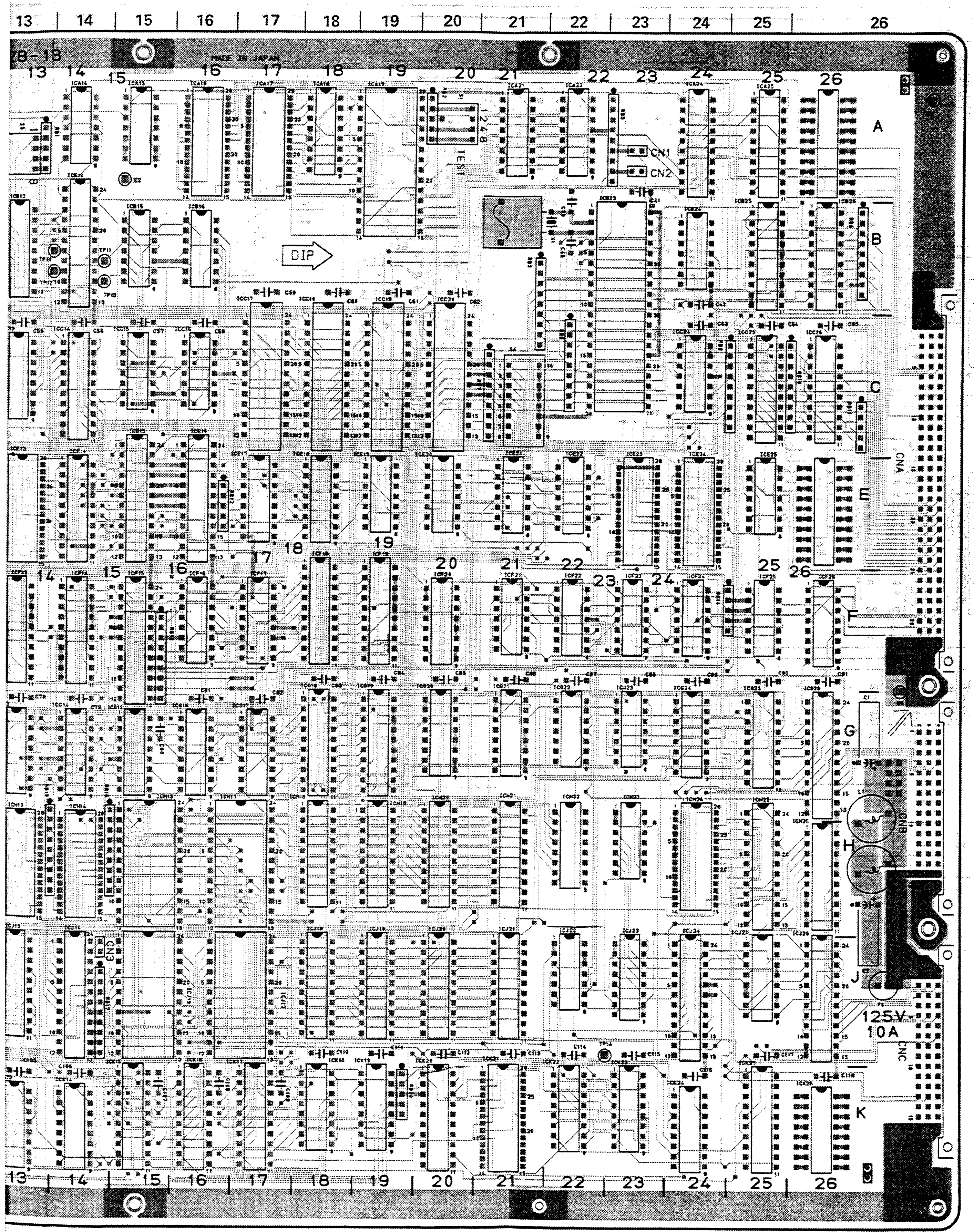
11
12
13
14
15
A
B
C
D
E
F
G
H
J
K
AU-86
SONY
1-620-928-13
PLL LOCK
1CH
2CH
3CH
4CH
IN-1CH
IN-2CH
IN-3CH
IN-4CH
OP-1CH
OP-2CH
OP-3CH
OP-4CH
ADV-IN
XLR
DIGITAL
D-SUB
ANALOG
CN3

1-620-928-13 COMPONENT SIDE



1-620-928-13 SOLDER SIDE

AU-86 (1-620-928-13)

DVPC-1000

CN1	A23	TP1	D1
CN2	A23	TP2	D1
CN3	J14	TP3	D1
		TP4	D1
D9	B1	TP5	E1
D10	B1	TP6	E1
D11	B1	TP7	E1
D12	B1	TP8	E1
		TP9	E1
E1	A1	TP10	B13
E2	A15	TP11	B14
E3	A26	TP12	B13
E4	E2	TP13	B14
E5	E12	TP14	K23
E6	F26		
E7	K1	X1	B21
E8	K11		
E9	K26		
E10	F1		
E11	F1		
F1	J26		
RB1	A13		
RB2	A20		
RB3	A22		
RB4	B1		
RB5	B21		
RB6	B26		
RB7	C21		
RB8	C22		
RB9	C24		
RB10	C25		
RB11	D26		
RB12	E16		
RB13	F15		
RB14	F24		
RB15	H13		
RB16	H14		
RB17	J14		
RB18	K3		
RB19	K9		
RB20	K19		
S1	A20		
S2	J1		
S3	J1		
S4	C21		
S5	A13		

AU-86 BOARD

Ref. No.	Pin No.	
	+5V	GND
IC A1	9	1
IC A2	5	8
IC A3	16	8
IC A4	9	1
IC A5	5	8
IC A6	16	8
IC A7	9	1
IC A8	5	8
IC A9	16	8
IC A10	9	1
IC A11	5	8
IC A12	16	8
IC A14	14	7
IC A15	14	7
IC A16	28	14
IC A17	28	14
IC A18	16	8
IC A19	1, 28	14
IC A21	16	8
IC A22	16	8
IC A24	20	10
IC A25	20	10
IC B1	14	7
IC B2	14	7
IC B3	24	12
IC B4	16	8
IC B5	14	7
IC B6	14	7
IC B7	14	7
IC B8	14	7
IC B9	24	12
IC B10	16	8
IC B11	14	7
IC B12	14	7
IC B13	16	8
IC B14	24	12
IC B15	14	7
IC B16	14	7
IC B23	26, 40	20
IC B24	14	7
IC B25	20	10
IC B26	20	10
IC C1	21	7
IC C3	14	7
IC C4	14	7
IC C5	21	7
IC C7	21	7
IC C9	14	7
IC C10	14	7
IC C11	21	7
IC C13	16	8
IC C14	20	10
IC C15	14	7
IC C16	14	7
IC C17	24	12
IC C18	24	12
IC C19	24	12
IC C20	24	12
IC C24	14	7
IC C25	20	10
IC C26	20	10
IC D3	14	7
IC D4	14	7
IC D9	14	7
IC D10	14	7
IC E1	14	7
IC E2	14	7
IC E3	28	14
IC E4	28	14
IC E5	14	7
IC E6	14	7
IC E7	14	7
IC E8	14	7
IC E9	28	14
IC E10	28	14
IC E11	14	7
IC E12	14	7
IC E13	28	14

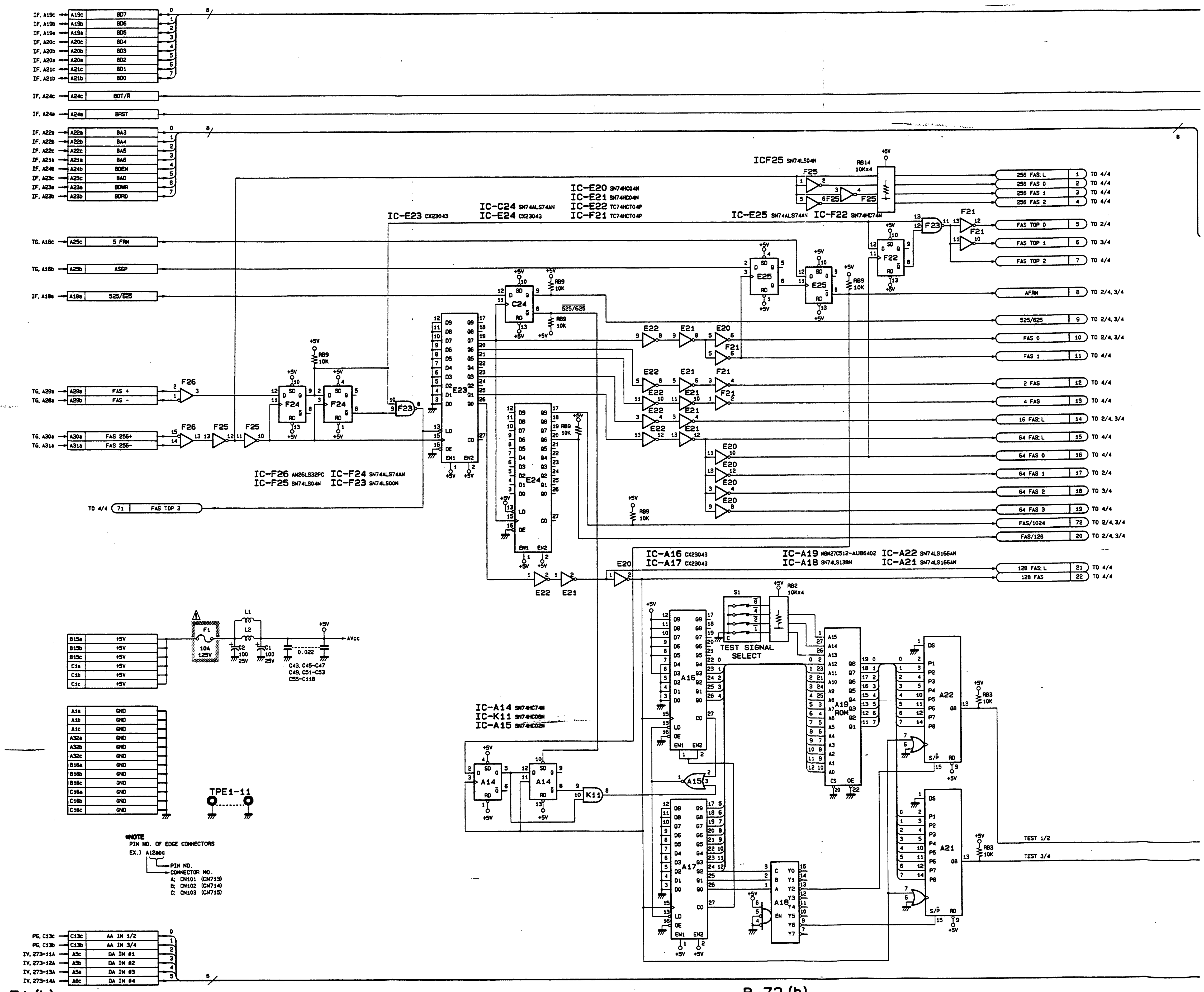
Ref. No.	Pin No.	
	+5V	GND
IC E14	20	10
IC E15	24	12
IC E16	24	12
IC E17	16	8
IC E18	16	8
IC E19	14	7
IC E20	14	7
IC E21	14	7
IC E22	14	7
IC E23	28	14
IC E24	28	14
IC E25	14	7
IC F1	14	7
IC F2	20	10
IC F3	20	10
IC F4	20	10
IC F5	14	7
IC F6	20	10
IC F7	14	7
IC F8	20	10
IC F9	20	10
IC F10	20	10
IC F11	14	7
IC F12	20	10
IC F13	20	10
IC F14	20	10
IC F15	24	12
IC F16	16	8
IC F17	16	8
IC F18	20	10
IC F19	20	10
IC F20	16	8
IC F21	14	7
IC F22	14	7
IC F23	14	7
IC F24	14	7
IC F25	14	7
IC F26	16	8
IC G1	20	10
IC G2	16	8
IC G3	14	7
IC G4	14	7
IC G5	20	10
IC G6	16	8
IC G7	20	10
IC G8	16	8
IC G9	14	7
IC G10	14	7
IC G11	20	10
IC G12	16	8
IC G13	16	8
IC G14	16	8
IC G15	16	8
IC G16	16	8
IC G17	16	8
IC G18	20	10
IC G19	20	10
IC G20	16	8
IC G21	16	8
IC G22	14	7
IC G23	14	7
IC G24	16	8
IC G25	18	9
IC G26	24	12
IC H1	14	7
IC H2	14	7
IC H3	14	7
IC H4	14	7
IC H5	14	7
IC H6	14	7
IC H7	14	7
IC H8	14	7
IC H9	14	7
IC H10	14	7
IC H11	14	7
IC H12	14	7
IC H13	28	14
IC H14	28	14

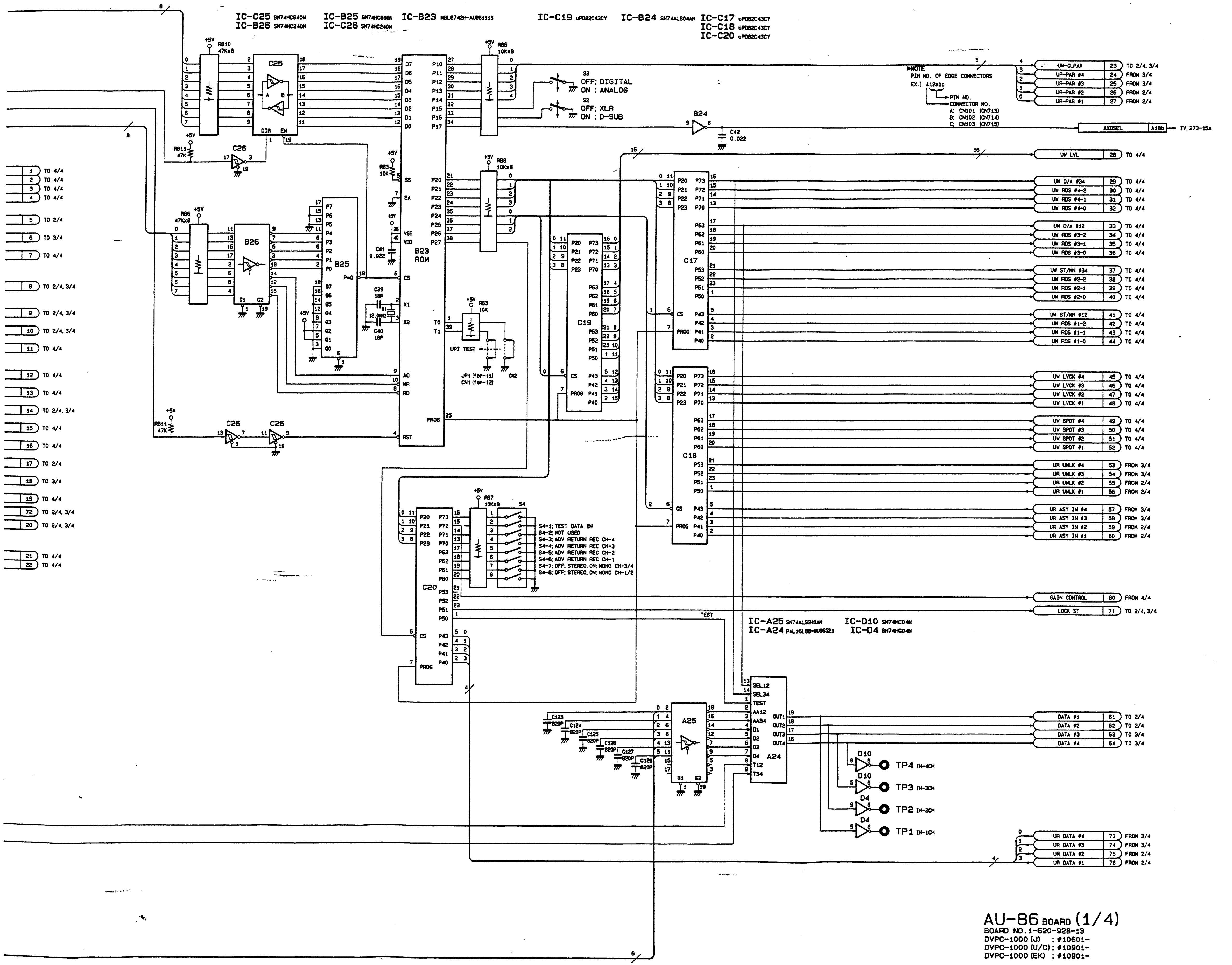
Ref. No.	Pin No.	
	+5V	GND
IC H15	24	12
IC H16	24	12
IC H17	24	12
IC H18	20	10
IC H19	20	10
IC H20	20	10
IC H21	20	10
IC H22	16	8
IC H23	14	7
IC H24	28	14
IC H25	24	12
IC H26	20	10
IC J1	28	14
IC J2	28	14
IC J3	14	7
IC J4	28	14
IC J5	20	10
IC J7	28	14
IC J8	28	14
IC J9	14	7
IC J10	28	14
IC J11	20	10
IC J13	20	10
IC J15	24	12
IC J17	24	12
IC J18	20	10
IC J19	20	10
IC J20	20	10
IC J21	20	10
IC J22	14	7
IC J23	16	8
IC J24	24	12
IC J25	16	8
IC J26	24	12
IC K1	28	14
IC K2	28	14
IC K3	14	7
IC K4	28	14
IC K5	14	7
IC K7	28	14
IC K8	28	14
IC K9	14	7
IC K10	28	14
IC K11	14	7
IC K13	16	8
IC K14	16	8
IC K15	20	10
IC K16	20	10
IC K17	20	10
IC K18	16	8
IC K19	16	8
IC K21	28	14
IC K22	16	8
IC K23	16	8
IC K24	16	8
IC K25	20	10

AU-86 BOARD (1/4)

Audio Input

10601 & UP (J)
10901 & UP (UC)
10901 & UP (EK)


BD7
BD6
BD5
BD4
BD3
BD2
BD1
BD0
BDT/R̄
BRST
BA3
BA4
BA5
BA6
BDEN
BA0
BDWR
BDRD
5 FRM
ASGP
525/625
FAS +
FAS -
FAS 256+
FAS 256-
FAS TOP 3
TO 4/4
ICF25 SN74LS04N
IC-E20 SN74HC04N
IC-E21 SN74HC04N
IC-E22 TC74HCT04P
IC-F21 TC74HCT04P
IC-C24 SN74ALS74AN
IC-E24 CX23043
IC-E23 CX23043
IC-E25 SN74ALS74AN
IC-F22 SN74HC74N
IC-F26 AM26LS32PC
IC-F25 SN74LS04N
IC-F24 SN74ALS74AN
IC-F23 SN74LS00N
256 FAS; L
256 FAS 0
256 FAS 1
256 FAS 2
FAS TOP 0
FAS TOP 1
FAS TOP 2
AFRM
525/625
FAS 0
FAS 1
2 FAS
4 FAS
16 FAS; L
64 FAS; L
64 FAS 0
64 FAS 1
64 FAS 2
64 FAS 3
FAS/1024
FAS/128
128 FAS; L
128 FAS
TO 2/4
TO 3/4
TO 2/4, 3/4
IC-A16 CX23043
IC-A17 CX23043
IC-A19 MBM27C512-AU86402
IC-A18 SN74LS138N
IC-A22 SN74LS166AN
IC-A21 SN74LS166AN
IC-A14 SN74HC74N
IC-K11 SN74HC08N
IC-A15 SN74HC02N
S1
TEST SIGNAL SELECT
A19 ROM
TEST 1/2
TEST 3/4
+5V
AVcc
F1 10A 125V
L1
L2
C2 100 25V
C1 100 25V
0.022
C43, C45-C47
C49, C51-C53
C55-C118
GND
TPE1-11
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN713)
B: CN102 (CN714)
C: CN103 (CN715)
AA IN 1/2
AA IN 3/4
DA IN #1
DA IN #2
DA IN #3
DA IN #4

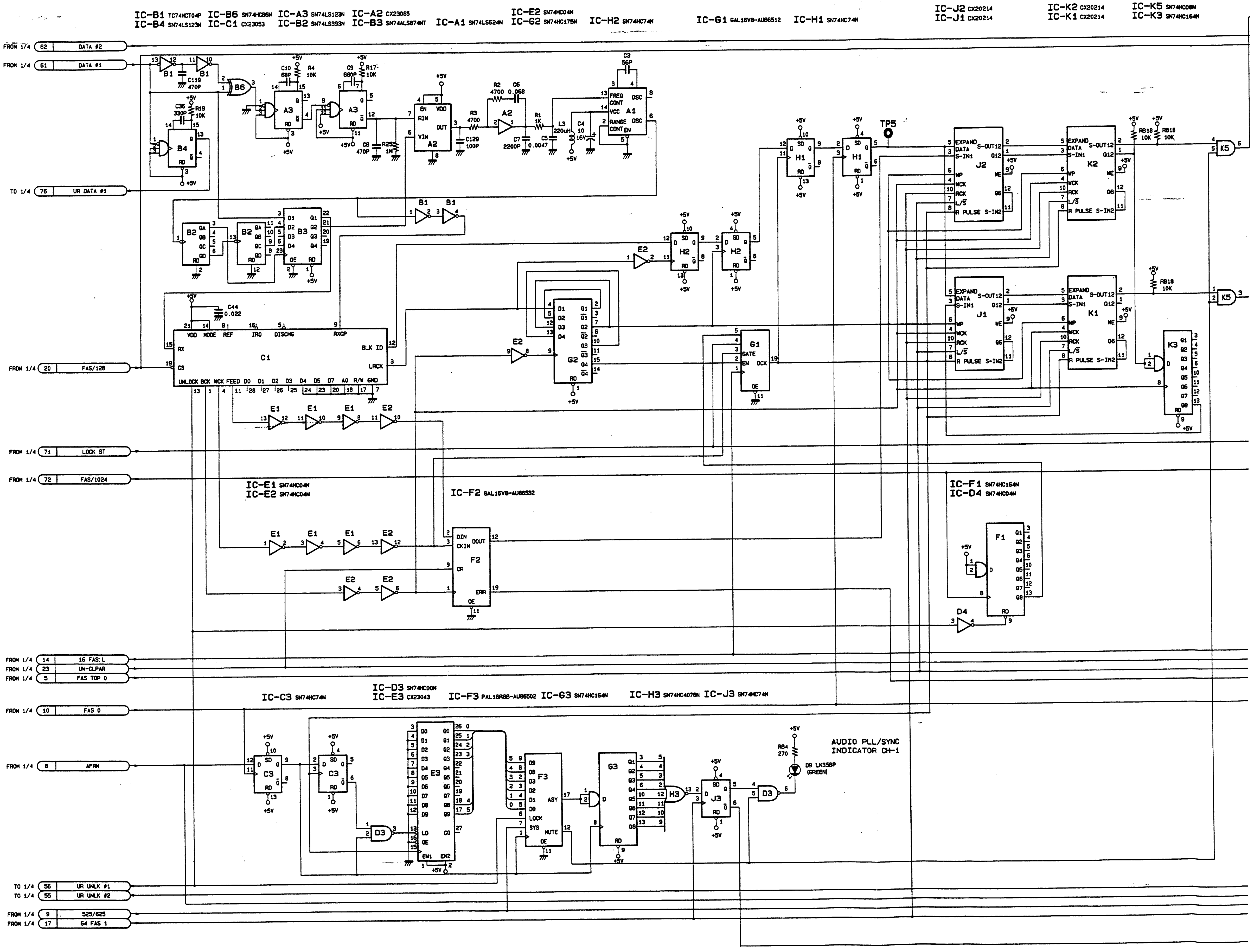

IC-C25 SN74HC640N
IC-B26 SN74HC240N
IC-B25 SN74HC688N
IC-C26 SN74HC240N
IC-B23 MBL8742H-AU861113
IC-C19 uPD82C43CY
IC-B24 SN74ALS04AN
IC-C17 uPD82C43CY
IC-C18 uPD82C43CY
IC-C20 uPD82C43CY
+5V
R810 47Kx8
C25
DIR EN
R811 47K
C26
R86 47Kx8
B26
G1 G2
B25
P=Q
B23 ROM
D7 D6 D5 D4 D3 D2 D1 D0
P10 P11 P12 P13 P14 P15 P16 P17
P20 P21 P22 P23 P24 P25 P26 P27
SS EA VEE VDD CS X1 X2 A0 WR RD PROG RST T0 T1
C41 0.022
C39 18P
X1 12.0MHz
C40 18P
R85 10Kx8
S3
OFF; DIGITAL
ON ; ANALOG
S2
OFF; XLR
ON ; D-SUB
B24
C42 0.022
R88 10Kx8
R83 10K
UPI TEST
JP1 (for-11)
CN1 (for-12)
C19
C17
C18
C20
P73 P72 P71 P70 P63 P62 P61 P60 P53 P52 P51 P50 P43 P42 P41 P40
R87 10Kx8
S4
S4-1: TEST DATA EN
S4-2: NOT USED
S4-3: ADV RETURN REC CH-4
S4-4: ADV RETURN REC CH-3
S4-5: ADV RETURN REC CH-2
S4-6: ADV RETURN REC CH-1
S4-7: OFF: STEREO, ON: MONO CH-3/4
S4-8: OFF: STEREO, ON: MONO CH-1/2
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN713)
B: CN102 (CN714)
C: CN103 (CN715)
UW-CLPAR 23 TO 2/4, 3/4
UR-PAR #4 24 FROM 3/4
UR-PAR #3 25 FROM 3/4
UR-PAR #2 26 FROM 2/4
UR-PAR #1 27 FROM 2/4
AXDSEL A18b IV, 273-15A
UW LVL 28 TO 4/4
UW D/A #34 29 TO 4/4
UW RDS #4-2 30 TO 4/4
UW RDS #4-1 31 TO 4/4
UW RDS #4-0 32 TO 4/4
UW D/A #12 33 TO 4/4
UW RDS #3-2 34 TO 4/4
UW RDS #3-1 35 TO 4/4
UW RDS #3-0 36 TO 4/4
UW ST/MN #34 37 TO 4/4
UW RDS #2-2 38 TO 4/4
UW RDS #2-1 39 TO 4/4
UW RDS #2-0 40 TO 4/4
UW ST/MN #12 41 TO 4/4
UW RDS #1-2 42 TO 4/4
UW RDS #1-1 43 TO 4/4
UW RDS #1-0 44 TO 4/4
UW LVCK #4 45 TO 4/4
UW LVCK #3 46 TO 4/4
UW LVCK #2 47 TO 4/4
UW LVCK #1 48 TO 4/4
UW SPOT #4 49 TO 4/4
UW SPOT #3 50 TO 4/4
UW SPOT #2 51 TO 4/4
UW SPOT #1 52 TO 4/4
UR UNLK #4 53 FROM 3/4
UR UNLK #3 54 FROM 3/4
UR UNLK #2 55 FROM 2/4
UR UNLK #1 56 FROM 2/4
UR ASY IN #4 57 FROM 3/4
UR ASY IN #3 58 FROM 3/4
UR ASY IN #2 59 FROM 2/4
UR ASY IN #1 60 FROM 2/4
GAIN CONTROL 80 FROM 4/4
LOCK ST 71 TO 2/4, 3/4
TEST
IC-A25 SN74ALS240AN
IC-A24 PAL16L8B-AU86521
IC-D10 SN74HC04N
IC-D4 SN74HC04N
A25
C123 820P
C124 820P
C125 820P
C126 820P
C127 820P
C128 820P
A24
SEL12 SEL34 TEST AA12 AA34 D1 D2 D3 D4 T12 T34
OUT1 OUT2 OUT3 OUT4
DATA #1 61 TO 2/4
DATA #2 62 TO 2/4
DATA #3 63 TO 3/4
DATA #4 64 TO 3/4
D10
TP4 IN-4CH
D10
TP3 IN-3CH
D4
TP2 IN-2CH
D4
TP1 IN-1CH
UR DATA #4 73 FROM 3/4
UR DATA #3 74 FROM 3/4
UR DATA #2 75 FROM 2/4
UR DATA #1 76 FROM 2/4
1 TO 4/4
2 TO 4/4
3 TO 4/4
4 TO 4/4
5 TO 2/4
6 TO 3/4
7 TO 4/4
8 TO 2/4, 3/4
9 TO 2/4, 3/4
10 TO 2/4, 3/4
11 TO 4/4
12 TO 4/4
13 TO 4/4
14 TO 2/4, 3/4
15 TO 4/4
16 TO 4/4
17 TO 2/4
18 TO 3/4
19 TO 4/4
72 TO 2/4, 3/4
20 TO 2/4, 3/4
21 TO 4/4
22 TO 4/4

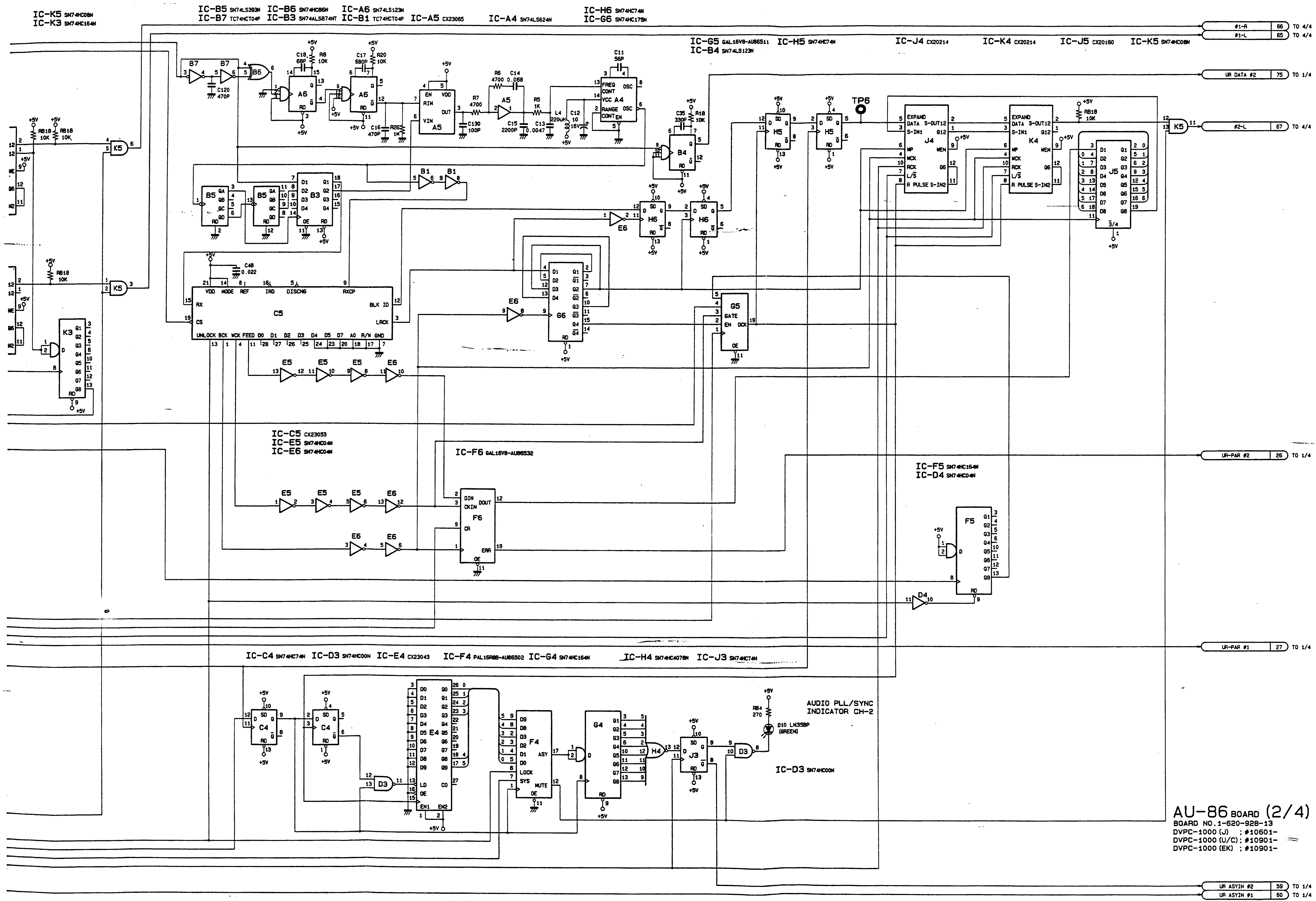
AU-86 BOARD (1/4)
BOARD NO.1-620-928-13
DVPC-1000 (J) ; #10601-
DVPC-1000 (U/C) ; #10901-
DVPC-1000 (EK) ; #10901-

AU-86 BOARD (2/4)

Audio Input

#10601 & UP (J)
#10901 & UP (UC)
#10901 & UP (EK)


IC-B1 TC74HCT04P
IC-B4 SN74LS123N
IC-B6 SN74HC86N
IC-C1 CX23053
IC-A3 SN74LS123N
IC-B2 SN74LS393N
IC-A2 CX23065
IC-B3 SN74ALS874NT
IC-A1 SN74LS624N
IC-E2 SN74HC04N
IC-G2 SN74HC175N
IC-H2 SN74HC74N
IC-G1 GAL16V8-AU86512
IC-H1 SN74HC74N
IC-J2 CX20214
IC-J1 CX20214
IC-K2 CX20214
IC-K1 CX20214
IC-K5 SN74HC08N
IC-K3 SN74HC164N
FROM 1/4 62 DATA #2
FROM 1/4 61 DATA #1
TO 1/4 76 UR DATA #1
FROM 1/4 20 FAS/128
FROM 1/4 71 LOCK ST
FROM 1/4 72 FAS/1024
IC-E1 SN74HC04N
IC-E2 SN74HC04N
IC-F2 GAL16V8-AU86532
IC-F1 SN74HC164N
IC-D4 SN74HC04N
FROM 1/4 14 16 FAS; L
FROM 1/4 23 UW-CLPAR
FROM 1/4 5 FAS TOP 0
FROM 1/4 10 FAS 0
FROM 1/4 8 AFRM
IC-C3 SN74HC74N
IC-D3 SN74HC00N
IC-E3 CX23043
IC-F3 PAL16R8B-AU86502
IC-G3 SN74HC164N
IC-H3 SN74HC4078N
IC-J3 SN74HC74N
AUDIO PLL/SYNC
INDICATOR CH-1
R84 270
D9 LN358P (GREEN)
TP5
TO 1/4 56 UR UNLK #1
TO 1/4 55 UR UNLK #2
FROM 1/4 9 525/625
FROM 1/4 17 64 FAS 1

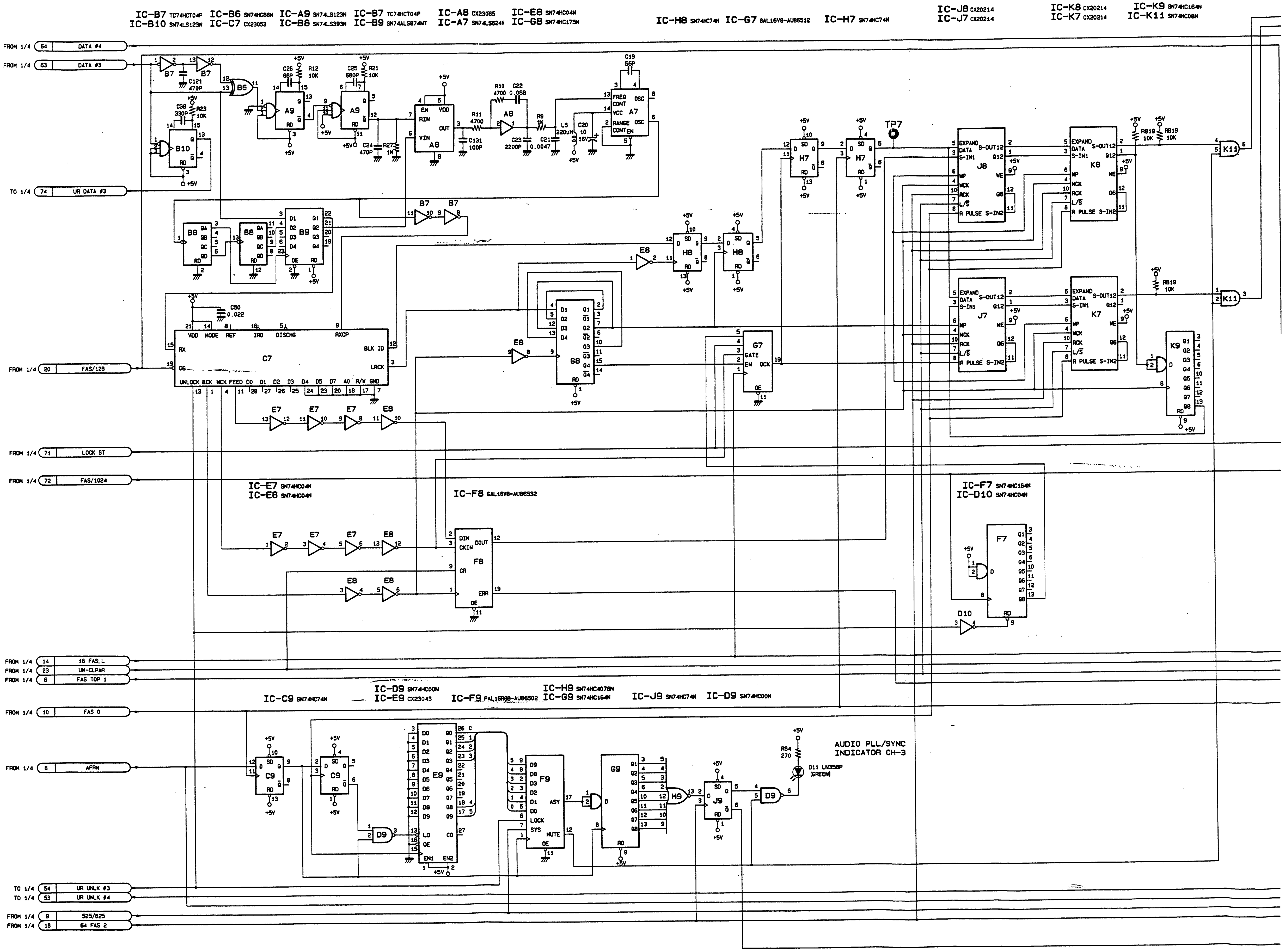

IC-K5 SN74HC08N
IC-K3 SN74HC164N
IC-B5 SN74LS393N
IC-B7 TC74HCT04P
IC-B6 SN74HC86N
IC-B3 SN74ALS874NT
IC-A6 SN74LS123N
IC-B1 TC74HCT04P
IC-A5 CX23065
IC-A4 SN74LS624N
IC-H6 SN74HC74N
IC-G6 SN74HC175N
IC-G5 GAL16V8-AU86511
IC-B4 SN74LS123N
IC-H5 SN74HC74N
IC-J4 CX20214
IC-K4 CX20214
IC-J5 CX20160
IC-K5 SN74HC08N
#1-R 66 TO 4/4
#1-L 65 TO 4/4
UR DATA #2 75 TO 1/4
#2-L 67 TO 4/4
TP6
IC-C5 CX23053
IC-E5 SN74HC04N
IC-E6 SN74HC04N
IC-F6 GAL16V8-AU86532
UR-PAR #2 26 TO 1/4
IC-F5 SN74HC164N
IC-D4 SN74HC04N
UR-PAR #1 27 TO 1/4
IC-C4 SN74HC74N
IC-D3 SN74HC00N
IC-E4 CX23043
IC-F4 PAL16R8B-AU86502
IC-G4 SN74HC164N
IC-H4 SN74HC4078N
IC-J3 SN74HC74N
AUDIO PLL/SYNC INDICATOR CH-2
D10 LN358P (GREEN)
R84 270
IC-D3 SN74HC00N
UR ASYIN #2 59 TO 1/4
UR ASYIN #1 60 TO 1/4

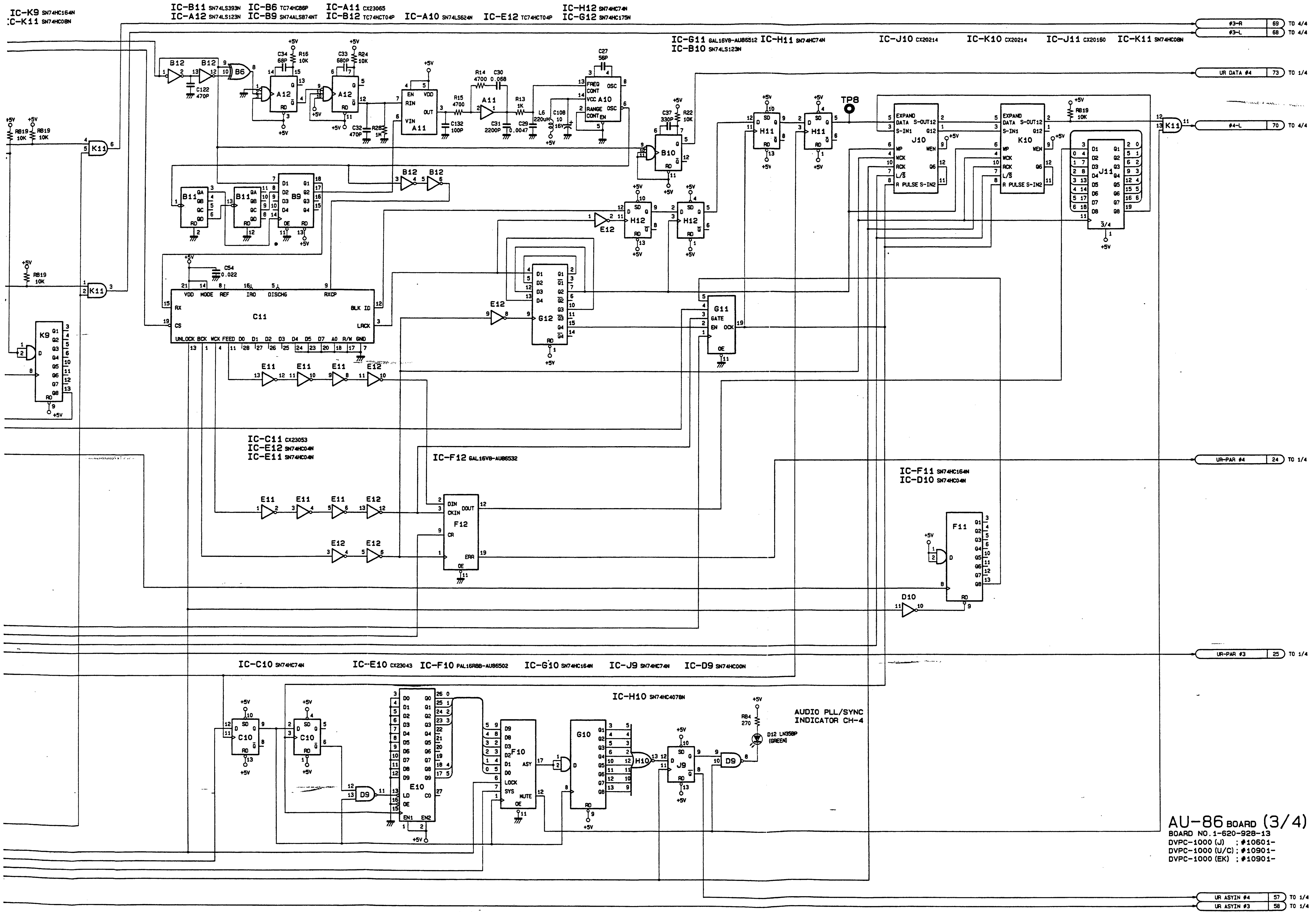
AU-86 BOARD (2/4)
BOARD NO.1-620-928-13
DVPC-1000 (J) : #10601-
DVPC-1000 (U/C) : #10901-
DVPC-1000 (EK) : #10901-

AU-86 BOARD (3/4)

Audio Input

#10601 & UP (J)
#10901 & UP (UC)
#10901 & UP (EK)


IC-B7 TC74HCT04P
IC-B10 SN74LS123N
IC-B6 SN74HC86N
IC-C7 CX23053
IC-A9 SN74LS123N
IC-B8 SN74LS393N
IC-B7 TC74HCT04P
IC-B9 SN74ALS874NT
IC-A8 CX23065
IC-A7 SN74LS624N
IC-E8 SN74HC04N
IC-G8 SN74HC175N
IC-H8 SN74HC74N
IC-G7 GAL16V8-AU86512
IC-H7 SN74HC74N
IC-J8 CX20214
IC-J7 CX20214
IC-K8 CX20214
IC-K7 CX20214
IC-K9 SN74HC164N
IC-K11 SN74HC08N
FROM 1/4 64 DATA #4
FROM 1/4 63 DATA #3
TO 1/4 74 UR DATA #3
FROM 1/4 20 FAS/128
FROM 1/4 71 LOCK ST
FROM 1/4 72 FAS/1024
FROM 1/4 14 16 FAS; L
FROM 1/4 23 UW-CLPAR
FROM 1/4 6 FAS TOP 1
FROM 1/4 10 FAS 0
FROM 1/4 8 AFRM
TO 1/4 54 UR UNLK #3
TO 1/4 53 UR UNLK #4
FROM 1/4 9 525/625
FROM 1/4 18 64 FAS 2
B7
B6
A9
A8
A7
B10
B8
B9
C7
E7
E8
G8
H8
G7
H7
TP7
J8
K8
J7
K7
K9
K11
F8
F7
D10
IC-E7 SN74HC04N
IC-E8 SN74HC04N
IC-F8 GAL16V8-AU86532
IC-F7 SN74HC164N
IC-D10 SN74HC04N
IC-C9 SN74HC74N
IC-D9 SN74HC00N
IC-E9 CX23043
IC-F9 PAL16R8B-AU86502
IC-H9 SN74HC4078N
IC-G9 SN74HC164N
IC-J9 SN74HC74N
IC-D9 SN74HC00N
C9
D9
E9
F9
G9
H9
J9
R84 270
D11 LN358P (GREEN)
AUDIO PLL/SYNC INDICATOR CH-3

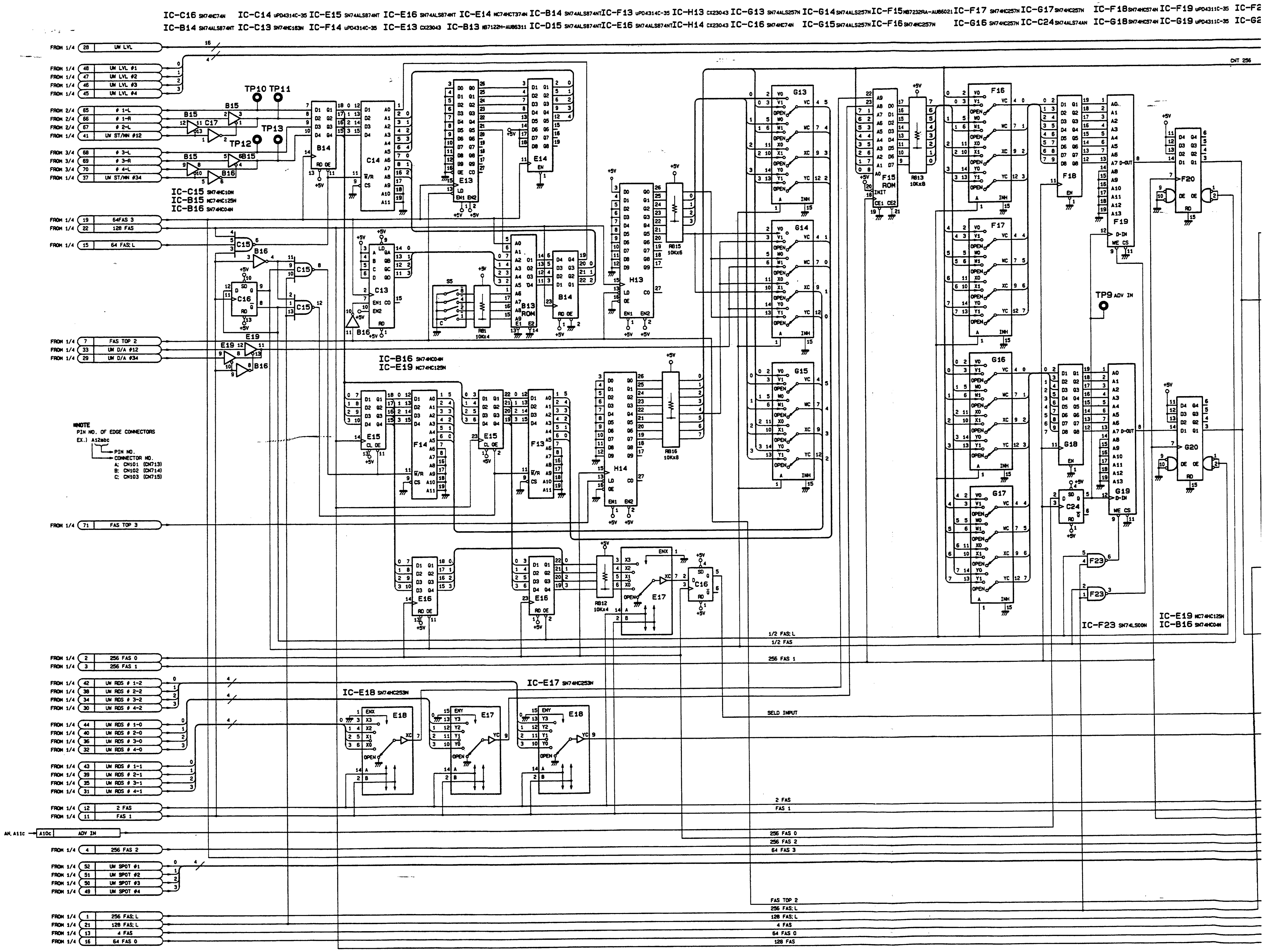

IC-K9 SN74HC164N
IC-K11 SN74HC08N
IC-B11 SN74LS393N IC-B6 TC74HC86P IC-A11 CX23065
IC-A12 SN74LS123N IC-B9 SN74ALS874NT IC-B12 TC74HCT04P IC-A10 SN74LS624N IC-E12 TC74HCT04P
IC-H12 SN74HC74N
IC-G12 SN74HC175N
IC-G11 GAL16V8-AU86512 IC-H11 SN74HC74N
IC-B10 SN74LS123N
IC-J10 CX20214 IC-K10 CX20214 IC-J11 CX20160 IC-K11 SN74HC08N
TP8
IC-C11 CX23053
IC-E12 SN74HC04N
IC-E11 SN74HC04N
IC-F12 GAL16V8-AU86532
IC-F11 SN74HC164N
IC-D10 SN74HC04N
IC-C10 SN74HC74N IC-E10 CX23043 IC-F10 PAL16R8B-AU86502 IC-G10 SN74HC164N IC-J9 SN74HC74N IC-D9 SN74HC00N
IC-H10 SN74HC4078N
AUDIO PLL/SYNC
INDICATOR CH-4
D12 LN358P (GREEN)
#3-R 69 TO 4/4
#3-L 68 TO 4/4
UR DATA #4 73 TO 1/4
#4-L 70 TO 4/4
UR-PAR #4 24 TO 1/4
UR-PAR #3 25 TO 1/4
UR ASYIN #4 57 TO 1/4
UR ASYIN #3 58 TO 1/4

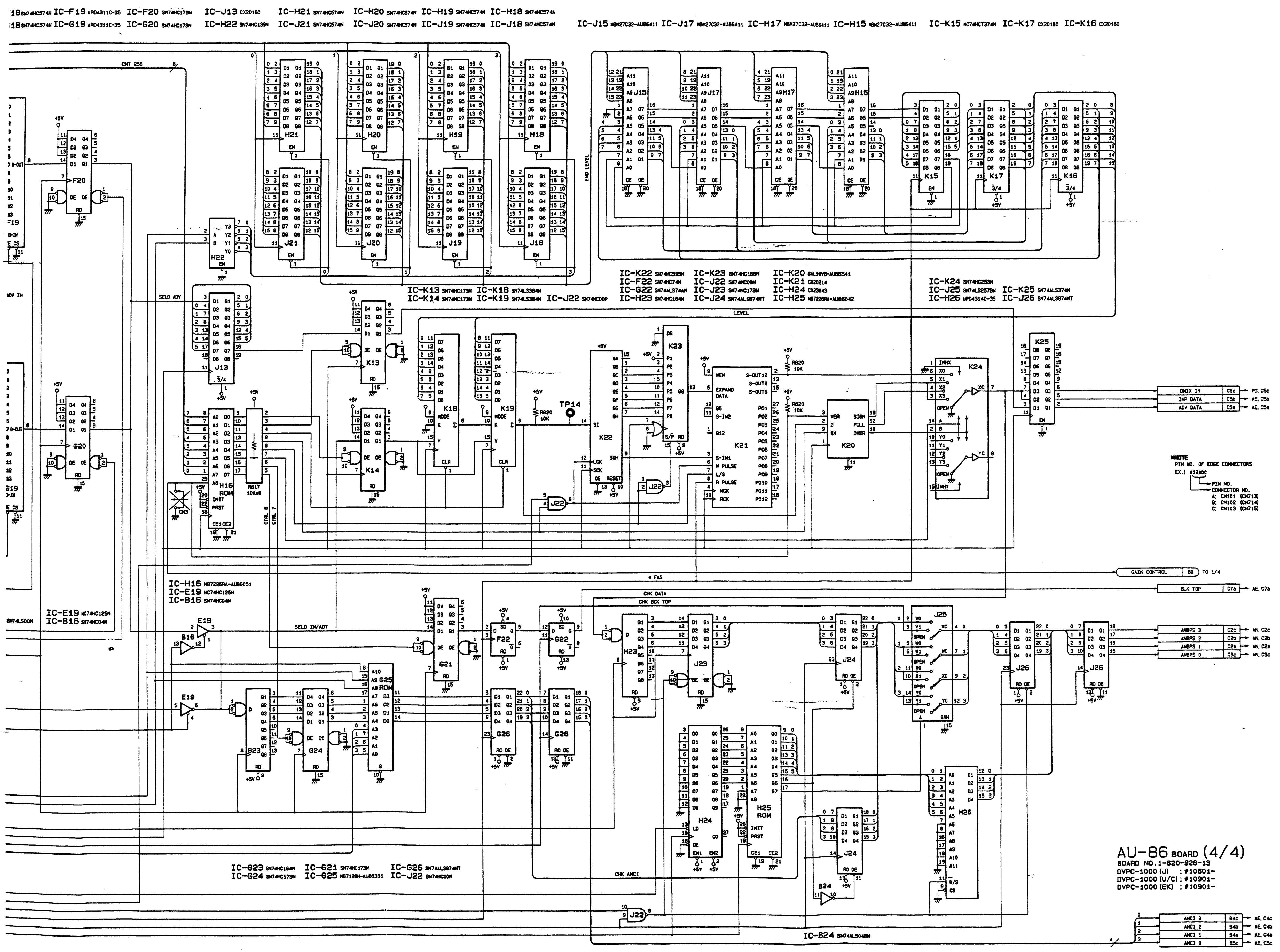
AU-86 BOARD (3/4)
BOARD NO. 1-620-928-13
DVPC-1000 (J) : #10601-
DVPC-1000 (U/C) : #10901-
DVPC-1000 (EK) : #10901-

AU-86 BOARD (4/4)

Audio Input

#10601 & UP (J)
#10901 & UP (UC)
#10901 & UP (EK)


IC-C16 SN74HC74N IC-C14 uPD4314C-35 IC-E15 SN74ALS874NT IC-E16 SN74ALS874NT IC-E14 MC74HCT374N IC-B14 SN74ALS874NT IC-F13 uPD4314C-35 IC-H13 CX23043 IC-G13 SN74ALS257N IC-G14 SN74ALS257N IC-F15 MB7232RA-AU86021 IC-F17 SN74HC257N IC-G17 SN74HC257N IC-F18 SN74HC574N IC-F19 uPD4311C-35 IC-F2
IC-B14 SN74ALS874NT IC-C13 SN74HC163N IC-F14 uPD4314C-35 IC-E13 CX23043 IC-B13 MB7122H-AU86311 IC-D15 SN74ALS874NT IC-E16 SN74ALS874NT IC-H14 CX23043 IC-C16 SN74HC74N IC-G15 SN74ALS257N IC-F16 SN74HC257N IC-G16 SN74HC257N IC-C24 SN74ALS74AN IC-G18 SN74HC574N IC-G19 uPD4311C-35 IC-G2
FROM 1/4 28 UM LVL
FROM 1/4 48 UM LVL #1
FROM 1/4 47 UM LVL #2
FROM 1/4 46 UM LVL #3
FROM 1/4 45 UM LVL #4
FROM 2/4 65 # 1-L
FROM 2/4 66 # 1-R
FROM 2/4 67 # 2-L
FROM 1/4 41 UM ST/MN #12
FROM 3/4 68 # 3-L
FROM 3/4 69 # 3-R
FROM 3/4 70 # 4-L
FROM 1/4 37 UM ST/MN #34
TP10 TP11 TP12 TP13
IC-C15 SN74HC10N
IC-B15 MC74HC125N
IC-B16 SN74HC04N
FROM 1/4 19 64FAS 3
FROM 1/4 22 128 FAS
FROM 1/4 15 64 FAS;L
FROM 1/4 7 FAS TOP 2
FROM 1/4 33 UM D/A #12
FROM 1/4 29 UM D/A #34
IC-B16 SN74HC04N
IC-E19 MC74HC125N
B13 ROM
F15 ROM
RB1 10Kx4
RB15 10Kx6
RB16 10Kx8
RB13 10Kx8
RB12 10Kx4
CNT 256
TP9 ADV IN
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN713)
B: CN102 (CN714)
C: CN103 (CN715)
FROM 1/4 71 FAS TOP 3
IC-F23 SN74LS00N
IC-E19 MC74HC125N
IC-B16 SN74HC04N
1/2 FAS;L
1/2 FAS
256 FAS 1
FROM 1/4 2 256 FAS 0
FROM 1/4 3 256 FAS 1
IC-E18 SN74HC253N
IC-E17 SN74HC253N
FROM 1/4 42 UM RDS # 1-2
FROM 1/4 38 UM RDS # 2-2
FROM 1/4 34 UM RDS # 3-2
FROM 1/4 30 UM RDS # 4-2
SELD INPUT
FROM 1/4 44 UM RDS # 1-0
FROM 1/4 40 UM RDS # 2-0
FROM 1/4 36 UM RDS # 3-0
FROM 1/4 32 UM RDS # 4-0
FROM 1/4 43 UM RDS # 1-1
FROM 1/4 39 UM RDS # 2-1
FROM 1/4 35 UM RDS # 3-1
FROM 1/4 31 UM RDS # 4-1
FROM 1/4 12 2 FAS
FROM 1/4 11 FAS 1
2 FAS
FAS 1
AN,A11C A10c ADV IN
FROM 1/4 4 256 FAS 2
256 FAS 0
256 FAS 2
64 FAS 3
FROM 1/4 52 UM SPOT #1
FROM 1/4 51 UM SPOT #2
FROM 1/4 50 UM SPOT #3
FROM 1/4 49 UM SPOT #4
FAS TOP 2
256 FAS;L
128 FAS;L
4 FAS
64 FAS 0
128 FAS
FROM 1/4 1 256 FAS;L
FROM 1/4 21 128 FAS;L
FROM 1/4 13 4 FAS
FROM 1/4 16 64 FAS 0


18 SN74HC574N IC-F19 uPD4311C-35 IC-F20 SN74HC173N IC-J13 CX20160 IC-H21 SN74HC574N IC-H20 SN74HC574N IC-H19 SN74HC574N IC-H18 SN74HC574N
18 SN74HC574N IC-G19 uPD4311C-35 IC-G20 SN74HC173N IC-H22 SN74HC139N IC-J21 SN74HC574N IC-J20 SN74HC574N IC-J19 SN74HC574N IC-J18 SN74HC574N
IC-J15 MBM27C32-AU86411 IC-J17 MBM27C32-AU86411 IC-H17 MBM27C32-AU86411 IC-H15 MBM27C32-AU86411 IC-K15 MC74HCT374N IC-K17 CX20160 IC-K16 CX20160
IC-K13 SN74HC173N IC-K18 SN74LS384N
IC-K14 SN74HC173N IC-K19 SN74LS384N IC-J22 SN74HC00P
IC-K22 SN74HC595N IC-K23 SN74HC166N IC-K20 GAL16V8-AU86541
IC-F22 SN74HC74N IC-J22 SN74HC00N IC-K21 CX20214
IC-G22 SN74ALS74AN IC-J23 SN74HC173N IC-H24 CX23043
IC-H23 SN74HC164N IC-J24 SN74ALS874NT IC-H25 MB7226RA-AU86042
IC-K24 SN74HC253N
IC-J25 SN74LS257BN IC-K25 SN74ALS374N
IC-H26 uPD4314C-35 IC-J26 SN74ALS874NT
IC-H16 MB7226RA-AU86051
IC-E19 MC74HC125N
IC-B16 SN74HC04N
IC-E19 MC74HC125N
IC-B16 SN74HC04N
SN74LS00N
IC-G23 SN74HC164N IC-G21 SN74HC173N IC-G26 SN74ALS874NT
IC-G24 SN74HC173N IC-G25 MB7128H-AU86331 IC-J22 SN74HC00N
IC-B24 SN74ALS04BN
CNT 256
END LEVEL
LEVEL
SELD ADV
SELD IN/ADT
4 FAS
CHK DATA
CHK BCK TOP
CHK ANCI
TP14
DMIX IN C5c PG, C5c
INP DATA C5b AE, C5b
ADV DATA C5a AE, C5a
GAIN CONTROL 80 TO 1/4
BLK TOP C7a AE, C7a
ANBPS 3 C2c AN, C2c
ANBPS 2 C2b AN, C2b
ANBPS 1 C2a AN, C2a
ANBPS 0 C3c AN, C3c
ANCI 3 B4c AE, C4c
ANCI 2 B4b AE, C4b
ANCI 1 B4a AE, C4a
ANCI 0 B5c AE, C5c

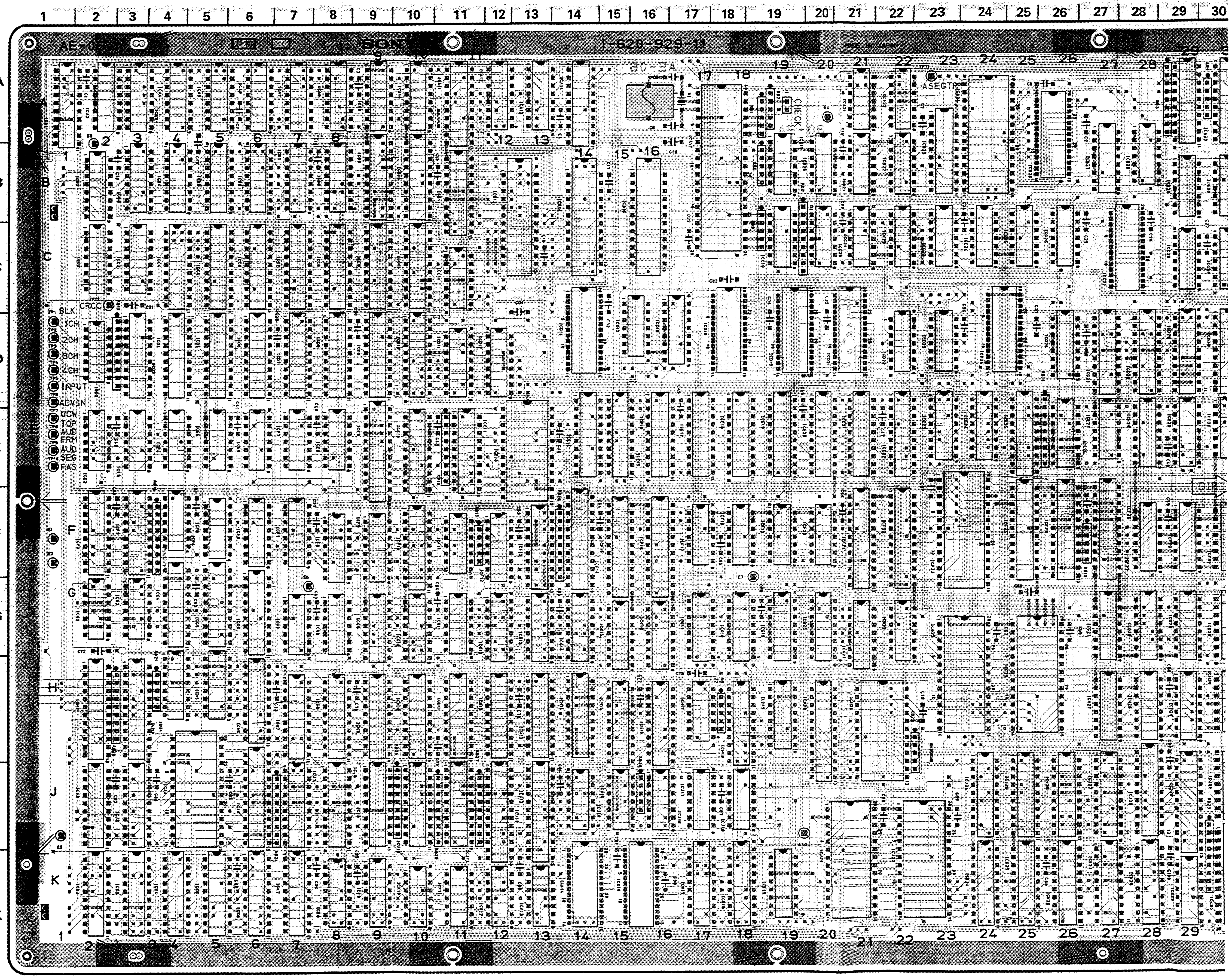
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN713)
B: CN102 (CN714)
C: CN103 (CN715)

AU-86 BOARD (4/4)
BOARD NO.1-620-928-13
DVPC-1000 (J) : #10601-
DVPC-1000 (U/C) : #10901-
DVPC-1000 (EK) : #10901-

AE-06 BOARD (1-620-929-11)

Component Side

10001 TO 10599 (J)
10001 TO 10899 (UC)
10001 TO 10899 (EK)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A
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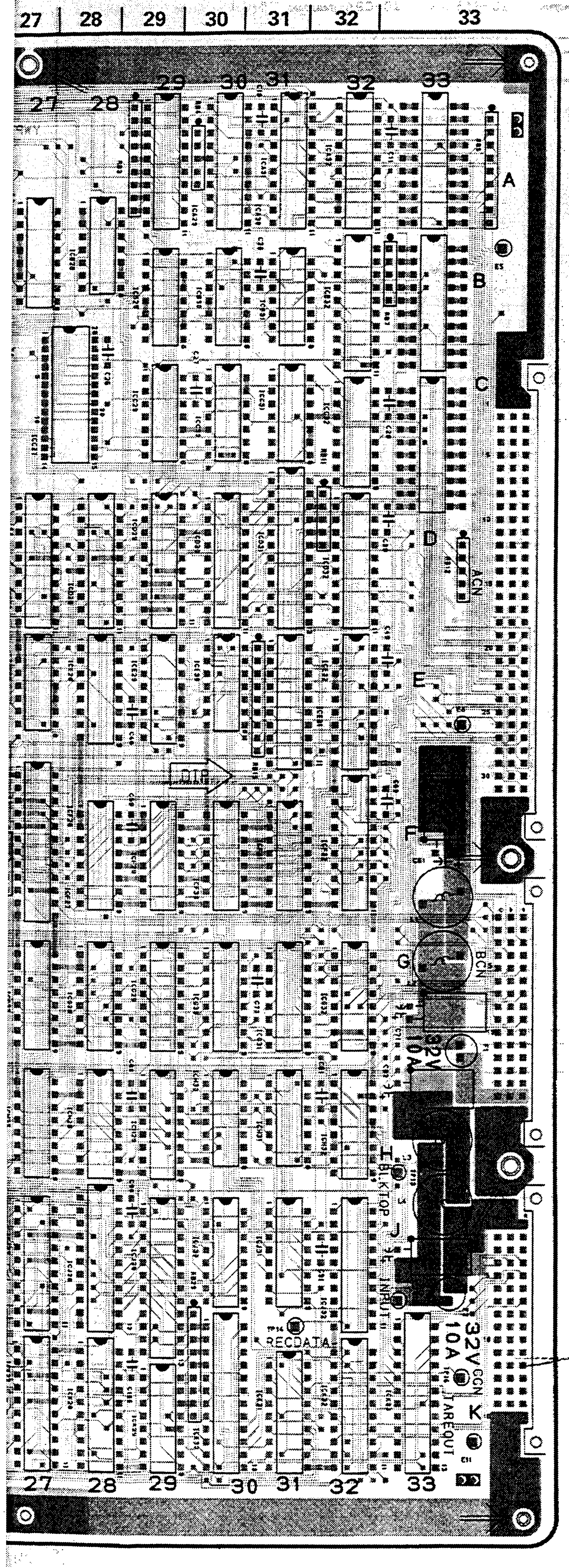
C
D
E
F
G
H
J
K
AE-06
SONY
1-620-929-11
CHECK
ASEGTP
CRCC
BLK
1CH
2CH
3CH
4CH
INPUT
ADVIN
UCW
TOP
AUD
FRM
AUD
SEG
FAS
DIR

1-620-929-11 COMPONENT SIDE



1-620-929-11 SOLDER SIDE

AE-06 (1-620-929-11)

DVPC-1000

E1	F1	TP10	E1
E2	F1	TP11	A23
E4	A20	TP12	D2
E5	B33	TP13	H33
E6	G7	TP14	J31
E7	G18	TP15	J33
E8	E33	TP16	K33
E9	J1		
E10	J19	X1	A16
E11	K33		
F1	H33		
F2	J33		
J1	B19		
RB1	A19		
RB2	A19		
RB3	A29		
RB4	A30		
RB5	A33		
RB6	B19		
RB7	B33		
RB8	C19		
RB9	B19		
RB10	D2		
RB11	D32		
RB12	D33		
RB13	E11		
RB14	E26		
RB15	E30		
RB16	F4		
RB17	F11		
RB18	F14		
RB19	F27		
RB20	H2		
RB21	H4		
RB22	H18		
RB23	H22		
RB24	J7		
RB25	J10		
RB26	J11		
RB27	J11		
RB28	J16		
RB29	J29		
TP1	D1		
TP2	D1		
TP3	D1		
TP4	D1		
TP5	D1		
TP6	D1		
TP7	E1		
TP8	E1		
TP9	E1		

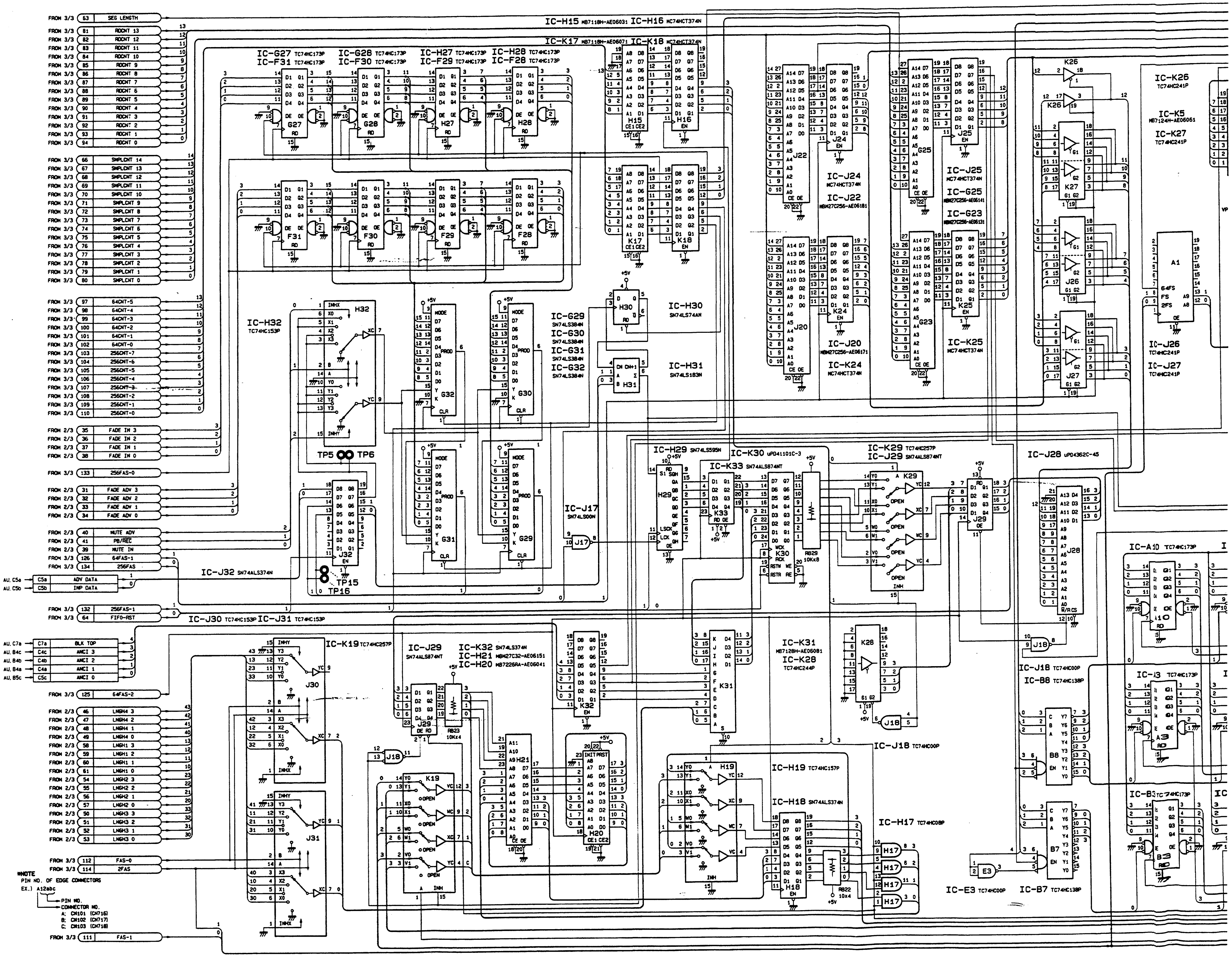
AE-06 BOARD

Ref. No.	Pin No.	
	+5V	GND
IC A1	20	10
IC A2	16	8
IC A3	16	8
IC A4	16	8
IC A5	16	8
IC A6	16	8
IC A7	16	8
IC A8	16	8
IC A9	16	8
IC A10	16	8
IC A11	20	10
IC A12	16	8
IC A13	16	8
IC A14	20	10
IC A17	26, 40	20
IC A21	14	7
IC A22	14	7
IC A24	1, 28	14
IC A29	20	10
IC A30	20	10
IC A31	20	10
IC A32	20	10
IC B2	16	8
IC B3	16	8
IC B4	16	8
IC B5	16	8
IC B6	16	8
IC B7	16	8
IC B8	16	8
IC B9	20	10
IC B10	20	10
IC B11	20	10
IC B13	24	12
IC B14	24	12
IC B16	24	12
IC B19	14	7
IC B20	14	7
IC B21	14	7
IC B22	14	7
IC B23	20	10
IC B26	28	14
IC B27	16	8
IC B28	14	7
IC B29	14	7
IC B30	14	7
IC B31	14	7
IC B32	20	10
IC C2	16	8
IC C3	16	8
IC C4	20	10
IC C5	20	10
IC C6	20	10
IC C7	20	10
IC C8	20	10
IC C9	20	10
IC C10	20	10
IC C11	16	8
IC C19	14	7
IC C20	14	7
IC C21	14	7
IC C22	14	7
IC C23	14	7
IC C24	14	7
IC C25	14	7
IC C26	14	7
IC C27	28	14
IC C29	14	7
IC C30	14	7
IC C31	14	7
IC C32	16	8
IC D2	14	7
IC D3	20	10
IC D4	20	10
IC D5	20	10
IC D6	20	10
IC D7	20	10
IC D8	20	10
IC D9	20	10
IC D10	20	10
IC D11	16	8
IC D12	16	8
IC D14	28	14
IC D15	14	7
IC D16	16	8
IC D18	28	14
IC D19	28	14
IC D21	28	14
IC D22	14	7
IC D23	14	7
IC D24	28	14
IC D26	16	8
IC D27	20	10
IC D28	20	10
IC D29	20	10
IC D30	20	10
IC D31	24	12
IC D32	20	10
IC E2	14	7
IC E3	14	7
IC E4	14	7
IC E5	14	7
IC E6	14	7
IC E7	14	7
IC E8	14	7
IC E9	24	12
IC E10	20	10
IC E11	20	10
IC E13	24	12
IC E14	20	10
IC E15	20	10
IC E16	20	10
IC E17	20	10
IC E18	20	10
IC E19	20	10
IC E20	20	10
IC E21	20	10
IC E22	20	10
IC E23	16	8
IC E24	16	8
IC E25	20	10
IC E26	16	8
IC E27	14	7
IC E28	16	8
IC E29	16	8
IC E30	14	7
IC E31	20	10
IC E32	20	10
IC F2	20	10
IC F3	20	10
IC F4	14	7
IC F5	14	7
IC F6	16	8
IC F7	16	8
IC F8	16	8
IC F9	16	8
IC F10	20	10
IC F11	14	7
IC F12	16	8
IC F13	20	10
IC F14	24	12
IC F15	24	12
IC F16	24	12
IC F17	14	7
IC F18	14	7
IC F19	14	7
IC F20	14	7
IC F21	24	12
IC F22	24	12
IC F23	1, 28	14
IC F25	24	12
IC F26	24	12
IC F27	24	12
IC F28	16	8
IC F29	16	8
IC F30	16	8
IC F31	16	8
IC F32	20	10
IC G2	14	7
IC G3	14	7
IC G4	20	10
IC G5	20	10
IC G6	20	10
IC G7	14	7
IC G8	14	7
IC G9	16	8
IC G10	16	8
IC G11	14	7
IC G12	16	8
IC G13	16	8
IC G14	16	8
IC G15	16	8
IC G16	16	8
IC G17	16	8
IC G18	16	8
IC G19	16	8
IC G20	16	8
IC G21	16	8
IC G22	14	7
IC G23	1, 28	14
IC G25	1, 28	14
IC G27	16	8
IC G28	16	8
IC G29	16	8
IC G30	16	8
IC G31	16	8
IC G32	16	8
IC H2	24	12
IC H3	24	12
IC H4	16	8
IC H5	16	8
IC H6	20	10
IC H7	20	10
IC H8	20	10
IC H9	20	10
IC H10	20	10
IC H11	20	10
IC H12	20	10
IC H13	20	10
IC H14	20	10
IC H15	20	10
IC H16	20	10
IC H17	14	7
IC H18	20	10
IC H19	16	8
IC H20	24	12
IC H21	24	12
IC H27	16	8
IC H28	16	8
IC H29	16	8
IC H30	14	7
IC H31	14	7
IC H32	16	8
IC J2	20	10
IC J3	20	10
IC J4	1, 28	14
IC J6	24	12
IC J7	20	10
IC J8	20	10
IC J9	20	10
IC J10	20	10
IC J11	20	10
IC J12	24	12
IC J13	24	12
IC J14	14	7
IC J15	14	7
IC J16	14	7
IC J17	14	7
IC J18	14	7
IC J20	1, 28	14
IC J22	1, 28	14
IC J24	20	10
IC J25	20	10
IC J26	20	10
IC J27	20	10
IC J28	22	11
IC J29	24	12
IC J30	16	8
IC J31	16	8
IC J32	20	10
IC K2	20	10
IC K3	20	10
IC K4	20	10
IC K5	20	10
IC K6	20	10
IC K7	20	10
IC K8	16	8
IC K9	16	8
IC K10	14	7
IC K11	14	7
IC K12	14	7
IC K13	14	7
IC K14	28	14
IC K15	28	14
IC K17	20	10
IC K18	20	10
IC K19	16	8
IC K24	20	10
IC K25	20	10
IC K26	20	10
IC K27	20	10
IC K28	20	10
IC K29	16	8
IC K30	18	7
IC K31	18	9
IC K32	20	10
IC K33	24	12

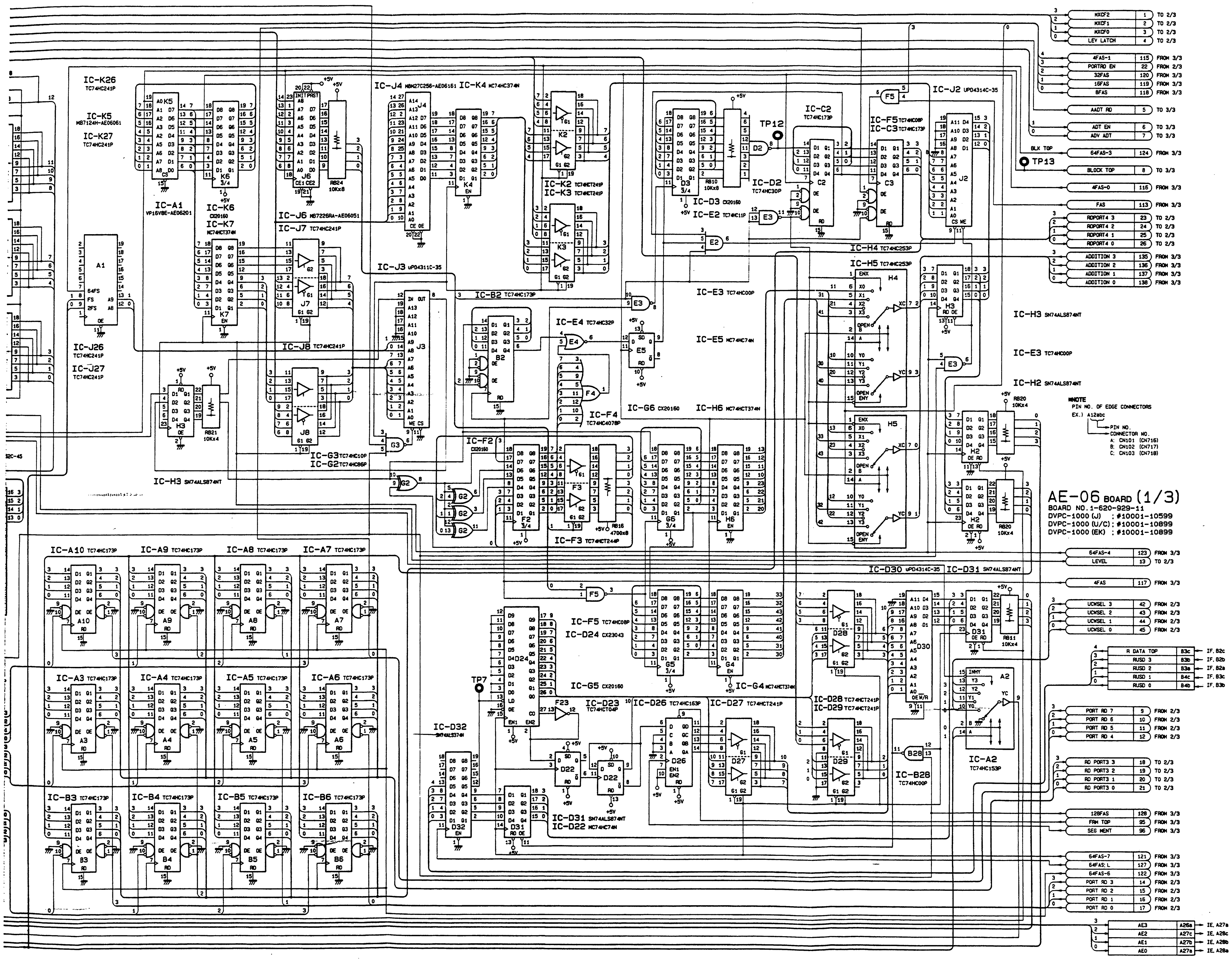
AE-06 BOARD (1/3)

Audio Outer Encoder

#10001 TO 10599 (J)
#10001 TO 10899 (UC)
#10001 TO 10899 (EK)


FROM 3/3 63 SEG LENGTH
FROM 3/3 81–94 RDCNT 13 … RDCNT 0
FROM 3/3 66–80 SMPLCNT 14 … SMPLCNT 0
FROM 3/3 97–110 64CNT-5 … 64CNT-0, 256CNT-7 … 256CNT-0
FROM 2/3 35–38 FADE IN 3 … FADE IN 0
FROM 3/3 133 256FAS-0
FROM 2/3 31–34 FADE ADV 3 … FADE ADV 0
FROM 2/3 40 MUTE ADV
FROM 2/3 41 PB/REC
FROM 2/3 39 MUTE IN
FROM 3/3 126 64FAS-1
FROM 3/3 134 256FAS
AU, C5a C5a ADV DATA
AU, C5b C5b INP DATA
FROM 3/3 132 256FAS-1
FROM 3/3 64 FIFO-RST
AU, C7a C7a BLK TOP
AU, B4c C4c AMCI 3
AU, B4b C4b AMCI 2
AU, B4a C4a AMCI 1
AU, B5c C5c AMCI 0
FROM 3/3 125 64FAS-2
FROM 2/3 46–49 LNGH4 3 … LNGH4 0
FROM 2/3 59–61 LNGH1 3 … LNGH1 0
FROM 2/3 54–57 LNGH2 3 … LNGH2 0
FROM 2/3 50–53 LNGH3 3 … LNGH3 0
FROM 3/3 112 FAS-0
FROM 3/3 114 2FAS
FROM 3/3 111 FAS-1
IC-H15 MB7118H-AE06031 IC-H16 MC74HCT374N
IC-K17 MB7118H-AE06071 IC-K18 MC74HCT374N
IC-G27 TC74HC173P IC-F31 TC74HC173P
IC-G28 TC74HC173P IC-F30 TC74HC173P
IC-H27 TC74HC173P IC-F29 TC74HC173P
IC-H28 TC74HC173P IC-F28 TC74HC173P
IC-H32 TC74HC153P
IC-G29 SN74LS384N IC-G30 SN74LS384N IC-G31 SN74LS384N IC-G32 SN74LS384N
IC-H30 SN74LS74AN
IC-H31 SN74LS183N
IC-J24 MC74HCT374N
IC-J22 MBM27C256-AE06181
IC-J20 MBM27C256-AE06171
IC-K24 MC74HCT374N
IC-J25 MC74HCT374N
IC-G25 MBM27C256-AE06141
IC-G23 MBM27C256-AE06131
IC-K25 MC74HCT374N
IC-K26 TC74HC241P
IC-K5 MB7124H-AE06051
IC-K27 TC74HC241P
IC-J26 TC74HC241P
IC-J27 TC74HC241P
TP5 TP6 TP15 TP16
IC-J32 SN74ALS374N
IC-J17 SN74LS00N
IC-H29 SN74LS595N
IC-K30 uPD41101C-3
IC-K33 SN74ALS874NT
IC-K29 TC74HC257P
IC-J29 SN74ALS874NT
IC-J28 uPD4362C-45
IC-J30 TC74HC153P IC-J31 TC74HC153P
IC-K19 TC74HC257P
IC-J29 SN74ALS874NT
IC-K32 SN74LS374N
IC-H21 MBM27C32-AE06151
IC-H20 MB7226RA-AE06041
IC-K31 MB7128H-AE06081
IC-K28 TC74HC244P
IC-J18 TC74HC00P
IC-B8 TC74HC138P
IC-H19 TC74HC157P
IC-H18 SN74ALS374N
IC-H17 TC74HC08P
IC-E3 TC74HC00P
IC-B7 TC74HC138P
IC-A10 TC74HC173P
IC-I3 TC74HC173P
IC-B3 TC74HC173P
RB23 10Kx4
RB29 10Kx8
RB22 10Kx4

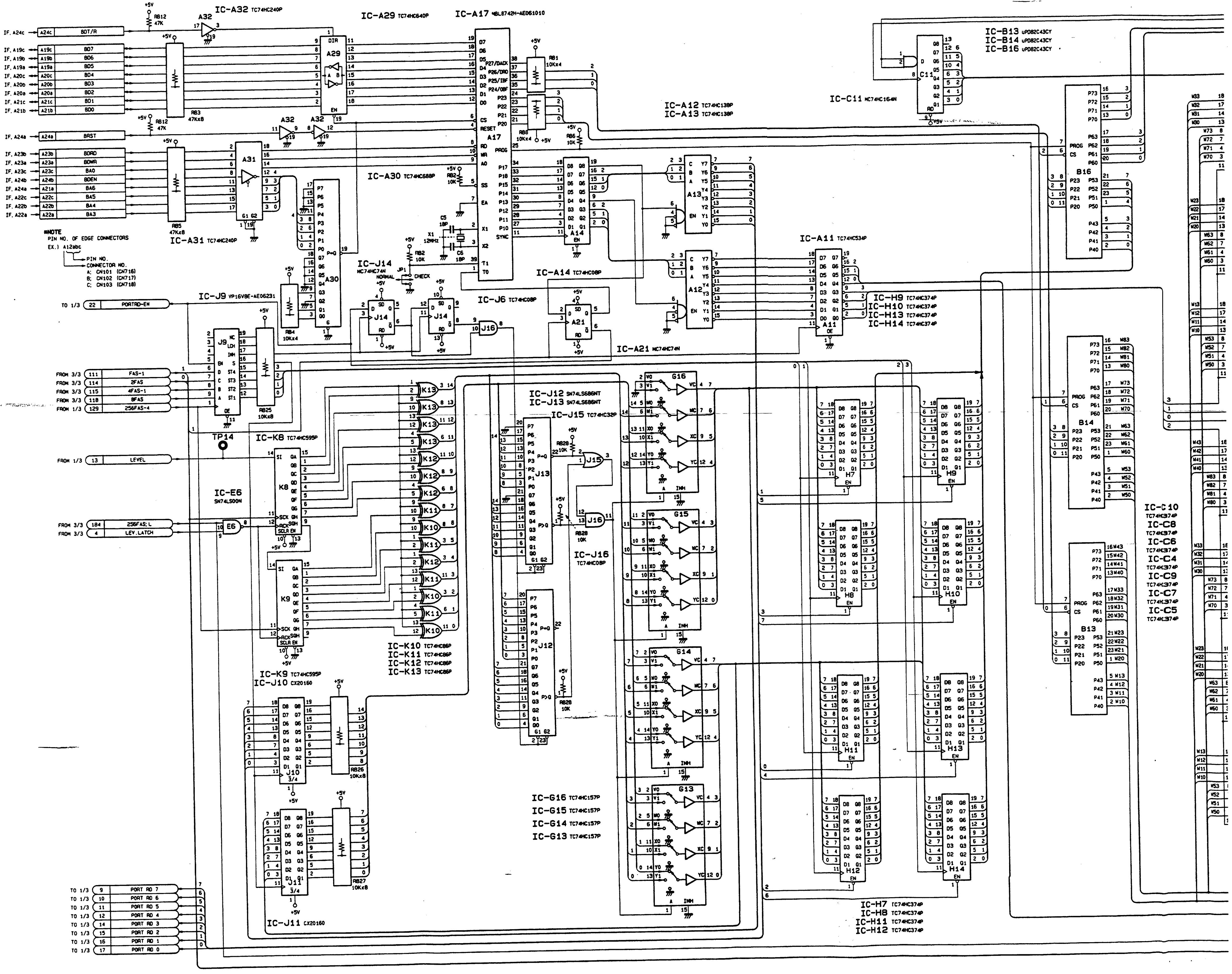
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
→ PIN NO.
→ CONNECTOR NO.
A: CN101 (CN716)
B: CN102 (CN717)
C: CN103 (CN718)

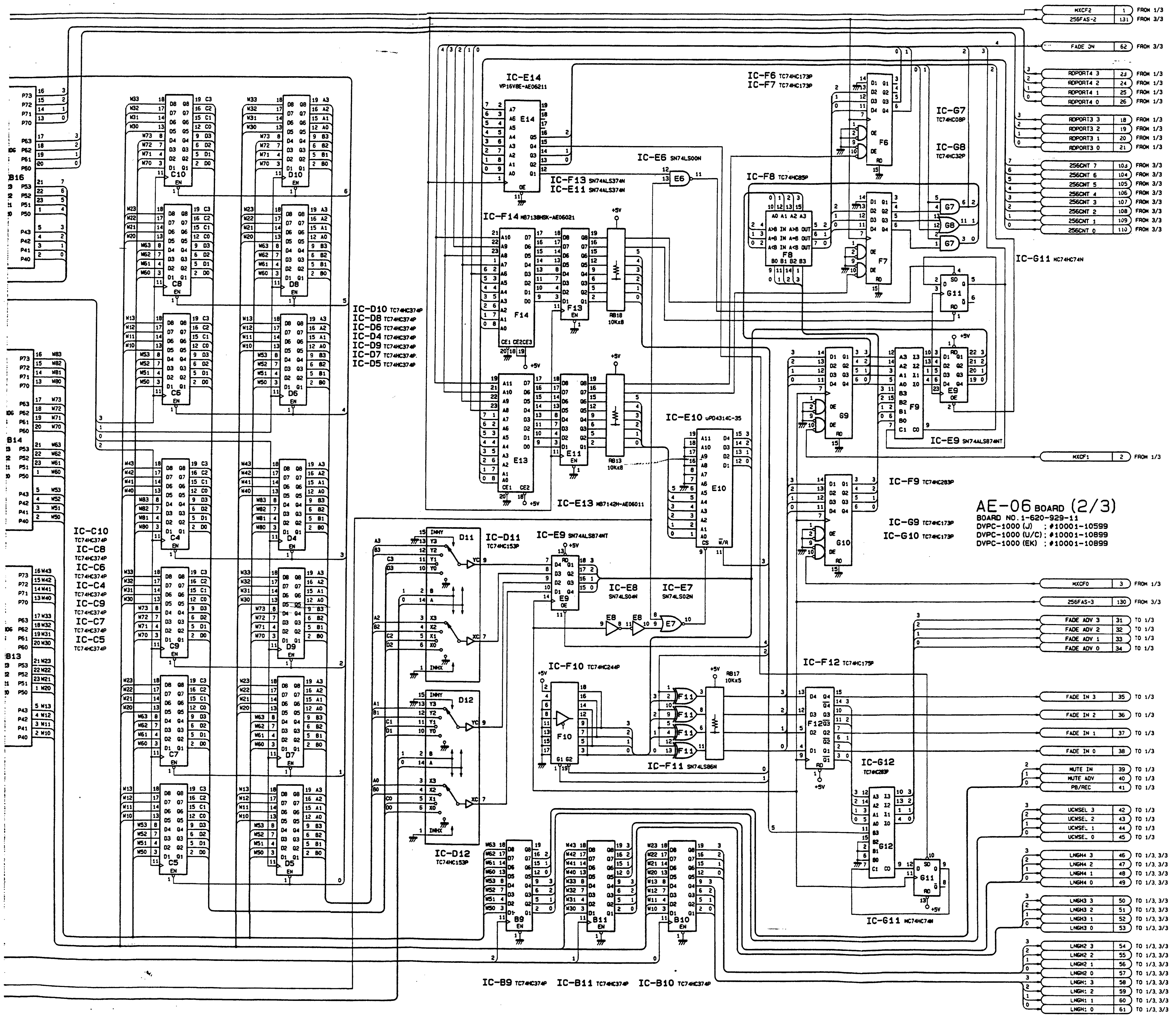

IC-K26 TC74HC241P
IC-K5 MB7124H-AE06061
IC-K27 TC74HC241P
IC-A1 VP16V8E-AE06201
IC-K6 CX20160
IC-K7 MC74HCT374N
IC-J26 TC74HC241P
IC-J27 TC74HC241P
IC-H3 SN74ALS874NT
IC-J6 MB7226RA-AE06051
IC-J7 TC74HC241P
IC-J8 TC74HC241P
IC-J4 MB627C256-AE06161
IC-K4 MC74HCT374N
IC-J3 uPD4311C-35
IC-G3 TC74HC10P
IC-G2 TC74HC86P
IC-K2 TC74HCT241P
IC-K3 TC74HCT241P
IC-B2 TC74HC173P
IC-E4 TC74HC32P
IC-F4 TC74HC4078P
IC-F2 CX20160
IC-F3 TC74HCT244P
IC-D3 CX20160
IC-E2 TC74HC11P
IC-D2 TC74HC30P
IC-C2 TC74HC173P
IC-F5 TC74HC08P
IC-C3 TC74HC173P
IC-J2 uPD4314C-35
IC-H4 TC74HC253P
IC-H5 TC74HC253P
IC-E3 TC74HC00P
IC-E5 MC74HC74N
IC-G6 CX20160
IC-H6 MC74HCT374N
IC-H3 SN74ALS874NT
IC-E3 TC74HC00P
IC-H2 SN74ALS874NT
TP12
TP13
TP7
IC-A10 TC74HC173P
IC-A9 TC74HC173P
IC-A8 TC74HC173P
IC-A7 TC74HC173P
IC-A3 TC74HC173P
IC-A4 TC74HC173P
IC-A5 TC74HC173P
IC-A6 TC74HC173P
IC-B3 TC74HC173P
IC-B4 TC74HC173P
IC-B5 TC74HC173P
IC-B6 TC74HC173P
IC-D32 SN74ALS374N
IC-F5 TC74HC08P
IC-D24 CX23043
IC-G5 CX20160
IC-D23 TC74HCT04P
IC-D26 TC74HC163P
IC-D27 TC74HCT241P
IC-G4 MC74HCT374N
IC-D28 TC74HCT241P
IC-D29 TC74HCT241P
IC-D30 uPD4314C-35
IC-D31 SN74ALS874NT
IC-D31 SN74ALS874NT
IC-D22 MC74HC74N
IC-B28 TC74HC00P
IC-A2 TC74HC153P
RB20 10Kx4
RB11 10Kx4
RB10 10Kx8
RB24 10Kx8
RB21 10Kx4
RB16 4700x8
MXCF2 1 TO 2/3
MXCF1 2 TO 2/3
MXCF0 3 TO 2/3
LEV LATCH 4 TO 2/3
4FAS-1 115 FROM 3/3
PORTRD EN 22 FROM 2/3
32FAS 120 FROM 3/3
16FAS 119 FROM 3/3
8FAS 118 FROM 3/3
AADT RD 5 TO 3/3
ADT EN 6 TO 3/3
ADV ADT 7 TO 3/3
BLK TOP
64FAS-3 124 FROM 3/3
BLOCK TOP 8 TO 3/3
4FAS-0 116 FROM 3/3
FAS 113 FROM 3/3
RDPORT4 3 23 TO 2/3
RDPORT4 2 24 TO 2/3
RDPORT4 1 25 TO 2/3
RDPORT4 0 26 TO 2/3
ADDITION 3 135 FROM 3/3
ADDITION 2 136 FROM 3/3
ADDITION 1 137 FROM 3/3
ADDITION 0 138 FROM 3/3
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN716)
B: CN102 (CN717)
C: CN103 (CN718)
AE-06 BOARD (1/3)
BOARD NO.1-620-929-11
DVPC-1000 (J) : #10001-10599
DVPC-1000 (U/C) : #10001-10899
DVPC-1000 (EK) : #10001-10899
64FAS-4 123 FROM 3/3
LEVEL 13 TO 2/3
4FAS 117 FROM 3/3
UCWSEL 3 42 FROM 2/3
UCWSEL 2 43 FROM 2/3
UCWSEL 1 44 FROM 2/3
UCWSEL 0 45 FROM 2/3
R DATA TOP B3c IF. B2c
RUSD 3 B3b IF. B2b
RUSD 2 B3a IF. B2a
RUSD 1 B4c IF. B3c
RUSD 0 B4b IF. B3b
PORT RD 7 9 FROM 2/3
PORT RD 6 10 FROM 2/3
PORT RD 5 11 FROM 2/3
PORT RD 4 12 FROM 2/3
RD PORT3 3 18 TO 2/3
RD PORT3 2 19 TO 2/3
RD PORT3 1 20 TO 2/3
RD PORT3 0 21 TO 2/3
128FAS 128 FROM 3/3
FRM TOP 95 FROM 3/3
SEG MENT 96 FROM 3/3
64FAS-7 121 FROM 3/3
64FAS; L 127 FROM 3/3
64FAS-6 122 FROM 3/3
PORT RD 3 14 FROM 2/3
PORT RD 2 15 FROM 2/3
PORT RD 1 16 FROM 2/3
PORT RD 0 17 FROM 2/3
AE3 A26a IE. A27a
AE2 A27c IE. A28c
AE1 A27b IE. A28b
AE0 A27a IE. A28a

AE-06 BOARD (2/3)

Audio Outer Encoder

10001 TO 10599 (J)
10001 TO 10899 (UC)
10001 TO 10899 (EK)


IC-A32 TC74HC240P
IC-A29 TC74HC640P
IC-A17 MBL8742H-AE061010
IC-A30 TC74HC688P
IC-A31 TC74HC240P
IC-J14 HC74HC74N
IC-A14 TC74HC08P
IC-J6 TC74HC08P
IC-A21 HC74HC74N
IC-J9 VP16V8E-AE06231
IC-A12 TC74HC138P
IC-A13 TC74HC138P
IC-A11 TC74HC534P
IC-H9 TC74HC374P
IC-H10 TC74HC374P
IC-H13 TC74HC374P
IC-H14 TC74HC374P
IC-C11 HC74HC164N
IC-B13 uPD82C43CY
IC-B14 uPD82C43CY
IC-B16 uPD82C43CY
IC-K8 TC74HC595P
IC-E6 SN74LS00N
IC-K9 TC74HC595P
IC-J10 CX20160
IC-J11 CX20160
IC-K10 TC74HC86P
IC-K11 TC74HC86P
IC-K12 TC74HC86P
IC-K13 TC74HC86P
IC-J12 SN74LS686NT
IC-J13 SN74LS686NT
IC-J15 TC74HC32P
IC-J16 TC74HC08P
IC-G16 TC74HC157P
IC-G15 TC74HC157P
IC-G14 TC74HC157P
IC-G13 TC74HC157P
IC-H7 TC74HC374P
IC-H8 TC74HC374P
IC-H11 TC74HC374P
IC-H12 TC74HC374P
IC-C10 TC74HC374P
IC-C8 TC74HC374P
IC-C6 TC74HC374P
IC-C4 TC74HC374P
IC-C9 TC74HC374P
IC-C7 TC74HC374P
IC-C5 TC74HC374P
TP14
X1 12MHz
JP1 NORMAL CHECK
RB12 47K
RB3 47Kx8
RB5 47Kx8
RB1 10Kx4
RB8 10Kx4
RB4 10Kx4
RB25 10Kx8
RB26 10Kx8
RB27 10Kx8
BOT/R
BO7 BO6 BO5 BO4 BO3 BO2 BO1 BO0
BRST
BORD BOWR BA0 BOEN BA6 BA5 BA4 BA3
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN716)
B: CN102 (CN717)
C: CN103 (CN718)
TO 1/3 22 PORTRD-EN
FROM 3/3 111 FAS-1
FROM 3/3 114 2FAS
FROM 3/3 115 4FAS-1
FROM 3/3 118 8FAS
FROM 1/3 129 256FAS-4
FROM 1/3 13 LEVEL
FROM 3/3 184 256FAS;L
FROM 3/3 4 LEV.LATCH
TO 1/3 9 PORT RD 7
TO 1/3 10 PORT RD 6
TO 1/3 11 PORT RD 5
TO 1/3 12 PORT RD 4
TO 1/3 14 PORT RD 3
TO 1/3 15 PORT RD 2
TO 1/3 16 PORT RD 1
TO 1/3 17 PORT RD 0


IC-E14 VP16V8E-AE06211
IC-F6 TC74HC173P
IC-F7 TC74HC173P
IC-G7 TC74HC08P
IC-G8 TC74HC32P
IC-E6 SN74LS00N
IC-F13 SN74ALS374N
IC-E11 SN74ALS374N
IC-F8 TC74HC85P
IC-F14 MB7138HSK-AE06021
IC-G11 MC74HC74N
IC-D10 TC74HC374P
IC-D8 TC74HC374P
IC-D6 TC74HC374P
IC-D4 TC74HC374P
IC-D9 TC74HC374P
IC-D7 TC74HC374P
IC-D5 TC74HC374P
IC-E10 uPD4314C-35
IC-E13 MB7142H-AE06011
IC-F9 TC74HC283P
IC-G9 TC74HC173P
IC-G10 TC74HC173P
IC-E9 SN74ALS874NT
IC-C10 TC74HC374P
IC-C8 TC74HC374P
IC-C6 TC74HC374P
IC-C4 TC74HC374P
IC-C9 TC74HC374P
IC-C7 TC74HC374P
IC-C5 TC74HC374P
IC-D11 TC74HC153P
IC-E8 SN74LS04N
IC-E7 SN74LS02N
IC-F10 TC74HC244P
IC-F12 TC74HC175P
IC-F11 SN74LS86N
IC-G12 TC74HC283P
IC-G11 MC74HC74N
IC-D12 TC74HC153P
IC-B9 TC74HC374P
IC-B11 TC74HC374P
IC-B10 TC74HC374P
RB18 10K×8
RB13 10K×8
RB17 10K×5
+5V
B16
B14
B13
MXCF2 1 FROM 1/3
256FAS-2 131 FROM 3/3
FADE ON 62 FROM 3/3
RDPORT4 3 23 FROM 1/3
RDPORT4 2 24 FROM 1/3
RDPORT4 1 25 FROM 1/3
RDPORT4 0 26 FROM 1/3
RDPORT3 3 18 FROM 1/3
RDPORT3 2 19 FROM 1/3
RDPORT3 1 20 FROM 1/3
RDPORT3 0 21 FROM 1/3
256CNT 7 103 FROM 3/3
256CNT 6 104 FROM 3/3
256CNT 5 105 FROM 3/3
256CNT 4 106 FROM 3/3
256CNT 3 107 FROM 3/3
256CNT 2 108 FROM 3/3
256CNT 1 109 FROM 3/3
256CNT 0 110 FROM 3/3
MXCF1 2 FROM 1/3
MXCF0 3 FROM 1/3
256FAS-3 130 FROM 3/3
FADE ADV 3 31 TO 1/3
FADE ADV 2 32 TO 1/3
FADE ADV 1 33 TO 1/3
FADE ADV 0 34 TO 1/3
FADE IN 3 35 TO 1/3
FADE IN 2 36 TO 1/3
FADE IN 1 37 TO 1/3
FADE IN 0 38 TO 1/3
MUTE IN 39 TO 1/3
MUTE ADV 40 TO 1/3
PB/REC 41 TO 1/3
UCWSEL 3 42 TO 1/3
UCWSEL 2 43 TO 1/3
UCWSEL 1 44 TO 1/3
UCWSEL 0 45 TO 1/3
LNGH4 3 46 TO 1/3, 3/3
LNGH4 2 47 TO 1/3, 3/3
LNGH4 1 48 TO 1/3, 3/3
LNGH4 0 49 TO 1/3, 3/3
LNGH3 3 50 TO 1/3, 3/3
LNGH3 2 51 TO 1/3, 3/3
LNGH3 1 52 TO 1/3, 3/3
LNGH3 0 53 TO 1/3, 3/3
LNGH2 3 54 TO 1/3, 3/3
LNGH2 2 55 TO 1/3, 3/3
LNGH2 1 56 TO 1/3, 3/3
LNGH2 0 57 TO 1/3, 3/3
LNGH1 3 58 TO 1/3, 3/3
LNGH1 2 59 TO 1/3, 3/3
LNGH1 1 60 TO 1/3, 3/3
LNGH1 0 61 TO 1/3, 3/3

AE-06 BOARD (2/3)

BOARD NO. 1-620-929-11
DVPC-1000 (J) : #10001-10599
DVPC-1000 (U/C) : #10001-10899
DVPC-1000 (EK) : #10001-10899

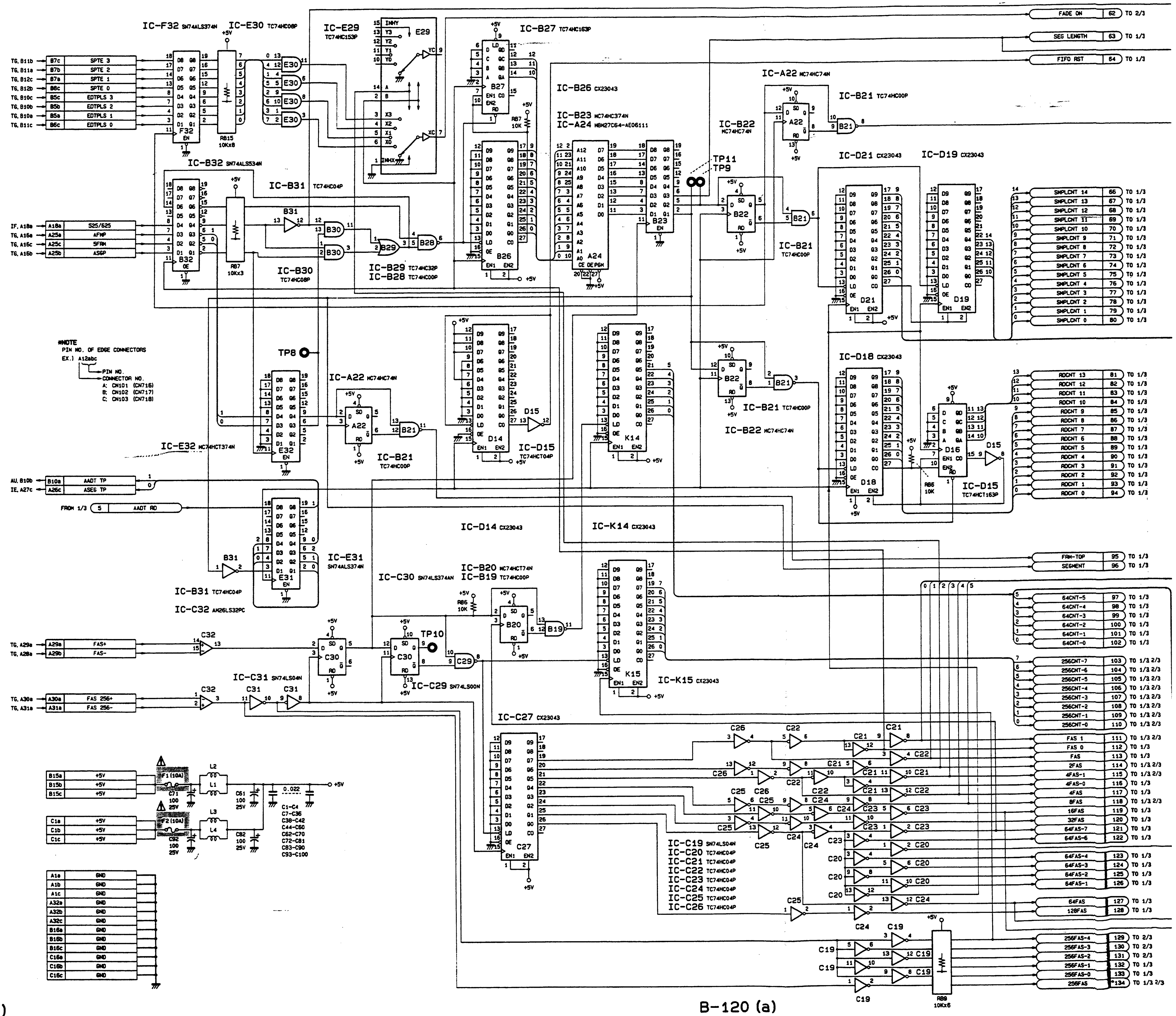
B-113 (a)

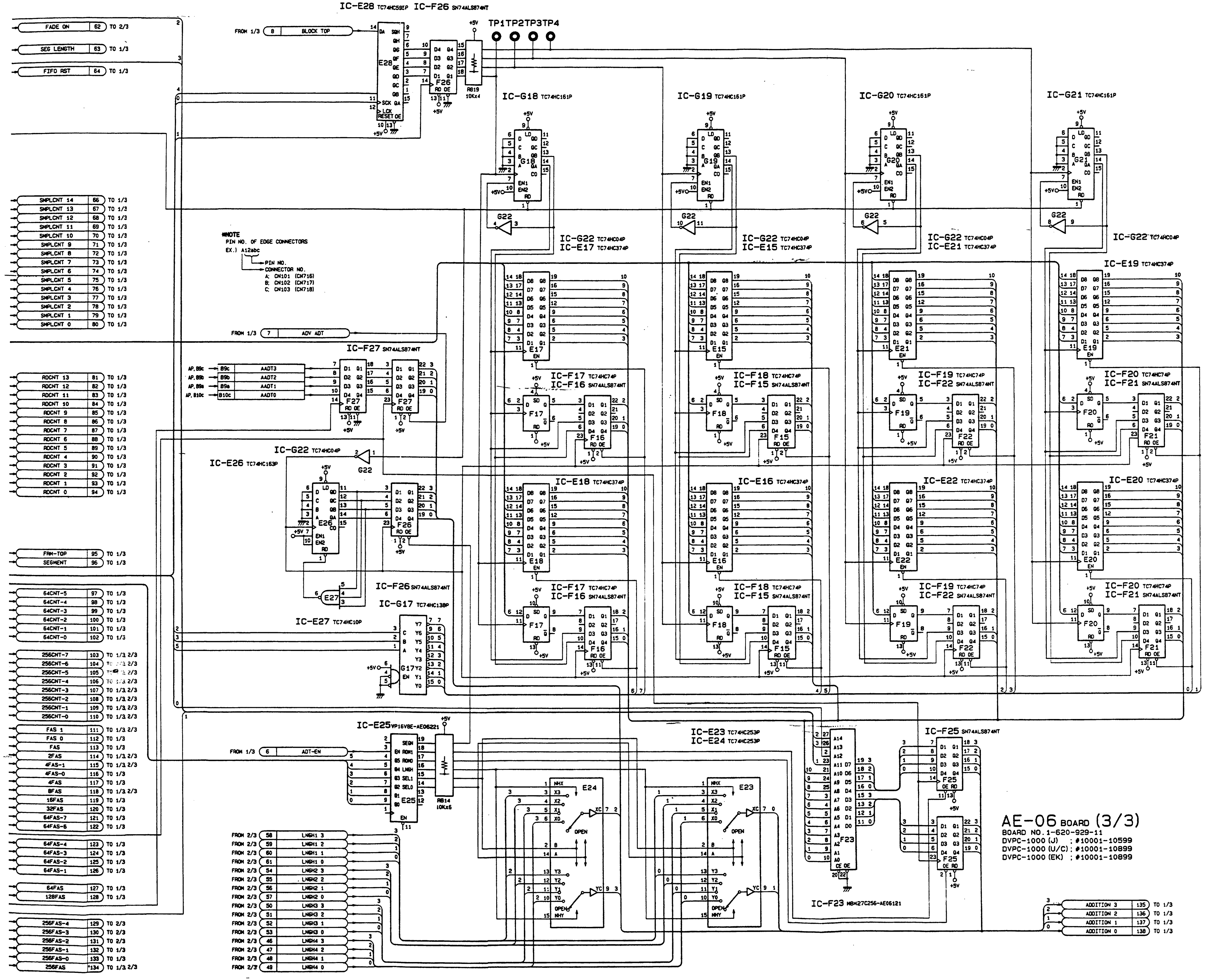
B-114 (a)

AE-06 BOARD (3/3)

Audio Outer Encoder

10001 TO 10599 (J)
10001 TO 10899 (UC)
10001 TO 10899 (EK)


IC-F32 SN74ALS374N
IC-E30 TC74HC08P
IC-E29 TC74HC153P
IC-B27 TC74HC163P
IC-B26 CX23043
IC-B23 MC74HC374N
IC-A24 MBM27C64-AE06111
IC-A22 MC74HC74N
IC-B21 TC74HC00P
IC-B22 MC74HC74N
IC-D21 CX23043
IC-D19 CX23043
IC-B32 SN74ALS534N
IC-B31 TC74HC04P
IC-B30 TC74HC08P
IC-B29 TC74HC32P
IC-B28 TC74HC00P
IC-E32 MC74HCT374N
IC-D14 CX23043
IC-K14 CX23043
IC-D15 TC74HCT04P
IC-D18 CX23043
IC-D16 / IC-D15 TC74HCT163P
IC-E31 SN74ALS374N
IC-C32 AM26LS32PC
IC-C30 SN74LS374N
IC-B20 MC74HCT74N
IC-B19 TC74HC00P
IC-C31 SN74LS04N
IC-C29 SN74LS00N
IC-K15 CX23043
IC-C27 CX23043
IC-C19 SN74LS04N
IC-C20 TC74HC04P
IC-C21 TC74HC04P
IC-C22 TC74HC04P
IC-C23 TC74HC04P
IC-C24 TC74HC04P
IC-C25 TC74HC04P
IC-C26 TC74HC04P
TP8
TP9
TP10
TP11
RB15 10Kx8
RB7 10Kx3
RB6 10K
RB7 10K
RB6 10K
RB9 10Kx6
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN716)
B: CN102 (CN717)
C: CN103 (CN718)
TG, B11b B7c SPTE 3
TG, B11a B7b SPTE 2
TG, B12c B7a SPTE 1
TG, B12b B6c SPTE 0
TG, B10c B5c EDTPLS 3
TG, B10b B5b EDTPLS 2
TG, B11c B5a EDTPLS 1
TG, B11c B6c EDTPLS 0
IF, A18a A18a S25/625
IE, A16a A25a AFHP
TG, A15c A25c SFRM
TE, A16b A25b ASEP
AU, B10b B10a AADT TP
IE, A27c A26c ASEG TP
FROM 1/3 5 AADT RD
TG, A29a A29a FAS+
TG, A28a A29b FAS-
TG, A30a A30a FAS 256+
TG, A31a A31a FAS 256-
B15a +5V
B15b +5V
B15c +5V
C1a +5V
C1b +5V
C1c +5V
F1 (10A)
F2 (10A)
L1
L2
L3
L4
C71 100 25V
C61 100 25V
C72 100 25V
C62 100 25V
0.022
C1-C4
C7-C36
C38-C42
C44-C60
C62-C70
C72-C81
C83-C90
C93-C100
A1a GND
A1b GND
A1c GND
A32a GND
A32b GND
A32c GND
B16a GND
B16b GND
B16c GND
C16a GND
C16b GND
C16c GND
FADE ON 62 TO 2/3
SEG LENGTH 63 TO 1/3
FIFO RST 64 TO 1/3
SMPLCNT 14 66 TO 1/3
SMPLCNT 13 67 TO 1/3
SMPLCNT 12 68 TO 1/3
SMPLCNT 11 69 TO 1/3
SMPLCNT 10 70 TO 1/3
SMPLCNT 9 71 TO 1/3
SMPLCNT 8 72 TO 1/3
SMPLCNT 7 73 TO 1/3
SMPLCNT 6 74 TO 1/3
SMPLCNT 5 75 TO 1/3
SMPLCNT 4 76 TO 1/3
SMPLCNT 3 77 TO 1/3
SMPLCNT 2 78 TO 1/3
SMPLCNT 1 79 TO 1/3
SMPLCNT 0 80 TO 1/3
RDCNT 13 81 TO 1/3
RDCNT 12 82 TO 1/3
RDCNT 11 83 TO 1/3
RDCNT 10 84 TO 1/3
RDCNT 9 85 TO 1/3
RDCNT 8 86 TO 1/3
RDCNT 7 87 TO 1/3
RDCNT 6 88 TO 1/3
RDCNT 5 89 TO 1/3
RDCNT 4 90 TO 1/3
RDCNT 3 91 TO 1/3
RDCNT 2 92 TO 1/3
RDCNT 1 93 TO 1/3
RDCNT 0 94 TO 1/3
FRM-TOP 95 TO 1/3
SEGMENT 96 TO 1/3
64CNT-5 97 TO 1/3
64CNT-4 98 TO 1/3
64CNT-3 99 TO 1/3
64CNT-2 100 TO 1/3
64CNT-1 101 TO 1/3
64CNT-0 102 TO 1/3
256CNT-7 103 TO 1/3 2/3
256CNT-6 104 TO 1/3 2/3
256CNT-5 105 TO 1/3 2/3
256CNT-4 106 TO 1/3 2/3
256CNT-3 107 TO 1/3 2/3
256CNT-2 108 TO 1/3 2/3
256CNT-1 109 TO 1/3 2/3
256CNT-0 110 TO 1/3 2/3
FAS 1 111 TO 1/3 2/3
FAS 0 112 TO 1/3
FAS 113 TO 1/3
2FAS 114 TO 1/3 2/3
4FAS-1 115 TO 1/3 2/3
4FAS-0 116 TO 1/3
4FAS 117 TO 1/3
8FAS 118 TO 1/3 2/3
16FAS 119 TO 1/3
32FAS 120 TO 1/3
64FAS-7 121 TO 1/3
64FAS-6 122 TO 1/3
64FAS-4 123 TO 1/3
64FAS-3 124 TO 1/3
64FAS-2 125 TO 1/3
64FAS-1 126 TO 1/3
64FAS 127 TO 1/3
128FAS 128 TO 1/3
256FAS-4 129 TO 2/3
256FAS-3 130 TO 2/3
256FAS-2 131 TO 2/3
256FAS-1 132 TO 1/3
256FAS-0 133 TO 1/3
256FAS *134 TO 1/3 2/3

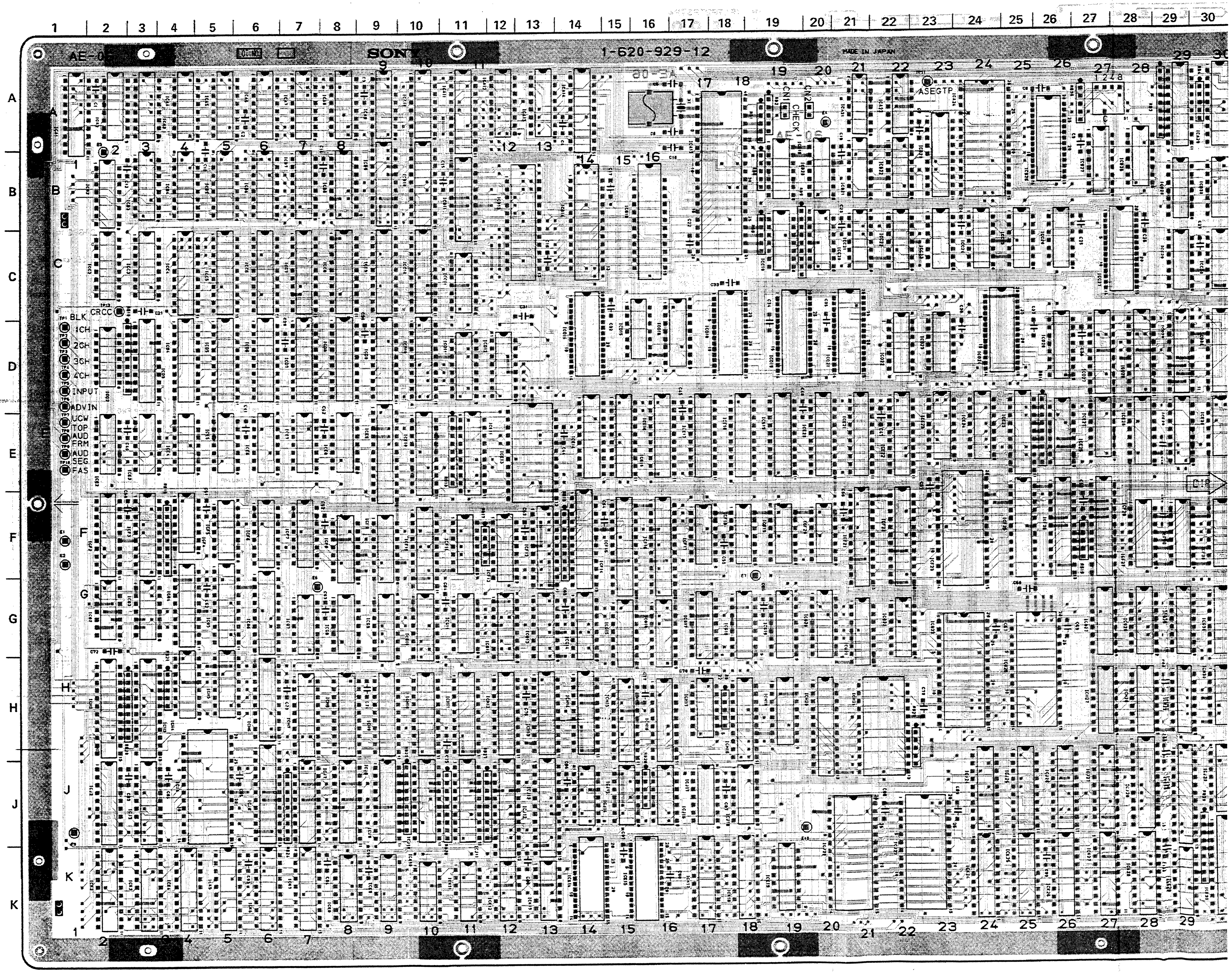

IC-E28 TC74HC595P
IC-F26 SN74ALS874NT
TP1 TP2 TP3 TP4
R819 10Kx4
FADE ON 62 TO 2/3
SEG LENGTH 63 TO 1/3
FIFO RST 64 TO 1/3
FROM 1/3 8 BLOCK TOP
IC-G18 TC74HC161P
IC-G19 TC74HC161P
IC-G20 TC74HC161P
IC-G21 TC74HC161P
G22
IC-G22 TC74HC04P
IC-E17 TC74HC374P
IC-E15 TC74HC374P
IC-E21 TC74HC374P
IC-E19 TC74HC374P
SMPLCNT 14 66 TO 1/3
SMPLCNT 13 67 TO 1/3
SMPLCNT 12 68 TO 1/3
SMPLCNT 11 69 TO 1/3
SMPLCNT 10 70 TO 1/3
SMPLCNT 9 71 TO 1/3
SMPLCNT 8 72 TO 1/3
SMPLCNT 7 73 TO 1/3
SMPLCNT 6 74 TO 1/3
SMPLCNT 5 75 TO 1/3
SMPLCNT 4 76 TO 1/3
SMPLCNT 3 77 TO 1/3
SMPLCNT 2 78 TO 1/3
SMPLCNT 1 79 TO 1/3
SMPLCNT 0 80 TO 1/3
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN716)
B: CN102 (CN717)
C: CN103 (CN718)
FROM 1/3 7 ADV ADT
IC-F27 SN74ALS874NT
AADT3 AADT2 AADT1 AADT0
IC-F17 TC74HC74P
IC-F16 SN74ALS874NT
IC-F18 TC74HC74P
IC-F15 SN74ALS874NT
IC-F19 TC74HC74P
IC-F22 SN74ALS874NT
IC-F20 TC74HC74P
IC-F21 SN74ALS874NT
RDCNT 13 81 TO 1/3
RDCNT 12 82 TO 1/3
RDCNT 11 83 TO 1/3
RDCNT 10 84 TO 1/3
RDCNT 9 85 TO 1/3
RDCNT 8 86 TO 1/3
RDCNT 7 87 TO 1/3
RDCNT 6 88 TO 1/3
RDCNT 5 89 TO 1/3
RDCNT 4 90 TO 1/3
RDCNT 3 91 TO 1/3
RDCNT 2 92 TO 1/3
RDCNT 1 93 TO 1/3
RDCNT 0 94 TO 1/3
IC-G22 TC74HC04P
IC-E26 TC74HC163P
IC-E18 TC74HC374P
IC-E16 TC74HC374P
IC-E22 TC74HC374P
IC-E20 TC74HC374P
FRM-TOP 95 TO 1/3
SEGMENT 96 TO 1/3
IC-F26 SN74ALS874NT
IC-G17 TC74HC138P
IC-E27 TC74HC10P
64CNT-5 97 TO 1/3
64CNT-4 98 TO 1/3
64CNT-3 99 TO 1/3
64CNT-2 100 TO 1/3
64CNT-1 101 TO 1/3
64CNT-0 102 TO 1/3
256CNT-7 103 TO 1/3 2/3
256CNT-6 104 TO 1/3 2/3
256CNT-5 105 TO 1/3 2/3
256CNT-4 106 TO 1/3 2/3
256CNT-3 107 TO 1/3 2/3
256CNT-2 108 TO 1/3 2/3
256CNT-1 109 TO 1/3 2/3
256CNT-0 110 TO 1/3 2/3
FAS 1 111 TO 1/3 2/3
FAS 0 112 TO 1/3
FAS 113 TO 1/3
2FAS 114 TO 1/3 2/3
4FAS-1 115 TO 1/3 2/3
4FAS-0 116 TO 1/3
4FAS 117 TO 1/3
8FAS 118 TO 1/3 2/3
16FAS 119 TO 1/3
32FAS 120 TO 1/3
64FAS-7 121 TO 1/3
64FAS-6 122 TO 1/3
64FAS-4 123 TO 1/3
64FAS-3 124 TO 1/3
64FAS-2 125 TO 1/3
64FAS-1 126 TO 1/3
64FAS 127 TO 1/3
128FAS 128 TO 1/3
256FAS-4 129 TO 2/3
256FAS-3 130 TO 2/3
256FAS-2 131 TO 2/3
256FAS-1 132 TO 2/3
256FAS-0 133 TO 2/3
256FAS 134 TO 1/3 2/3
IC-E25 VP16V8E-AE06221
FROM 1/3 6 ADT-EN
R814 10Kx6
IC-E23 TC74HC253P
IC-E24 TC74HC253P
E24
E23
OPEN
FROM 2/3 58 LNGH1 3
FROM 2/3 59 LNGH1 2
FROM 2/3 60 LNGH1 1
FROM 2/3 61 LNGH1 0
FROM 2/3 54 LNGH2 3
FROM 2/3 55 LNGH2 2
FROM 2/3 56 LNGH2 1
FROM 2/3 57 LNGH2 0
FROM 2/3 50 LNGH3 3
FROM 2/3 51 LNGH3 2
FROM 2/3 52 LNGH3 1
FROM 2/3 53 LNGH3 0
FROM 2/3 46 LNGH4 3
FROM 2/3 47 LNGH4 2
FROM 2/3 48 LNGH4 1
FROM 2/3 49 LNGH4 0
IC-F25 SN74ALS874NT
F23
IC-F23 MBM27C256-AE06121
ADDITION 3 135 TO 1/3
ADDITION 2 136 TO 1/3
ADDITION 1 137 TO 1/3
ADDITION 0 138 TO 1/3

AE-06 BOARD (3/3)
BOARD NO. 1-620-929-11
DVPC-1000 (J) ; #10001-10599
DVPC-1000 (U/C) ; #10001-10899
DVPC-1000 (EK) ; #10001-10899

AE-06 BOARD (1-620-929-12)

Component Side

#10601 & UP (J)
#10901 & UP (UC)
#10901 & UP (EK)


AE-06
SONY
1-620-929-12
MADE IN JAPAN
BLK
CRCC
1CH
2CH
3CH
4CH
INPUT
ADVIN
UCW
TOP
AUD
FRM
AUD
SEG
FAS
CH1
CH2
CHECK
ASEGTP
A
B
C
D
E
F
G
H
J
K
1
2
3
4
5
6
7
8
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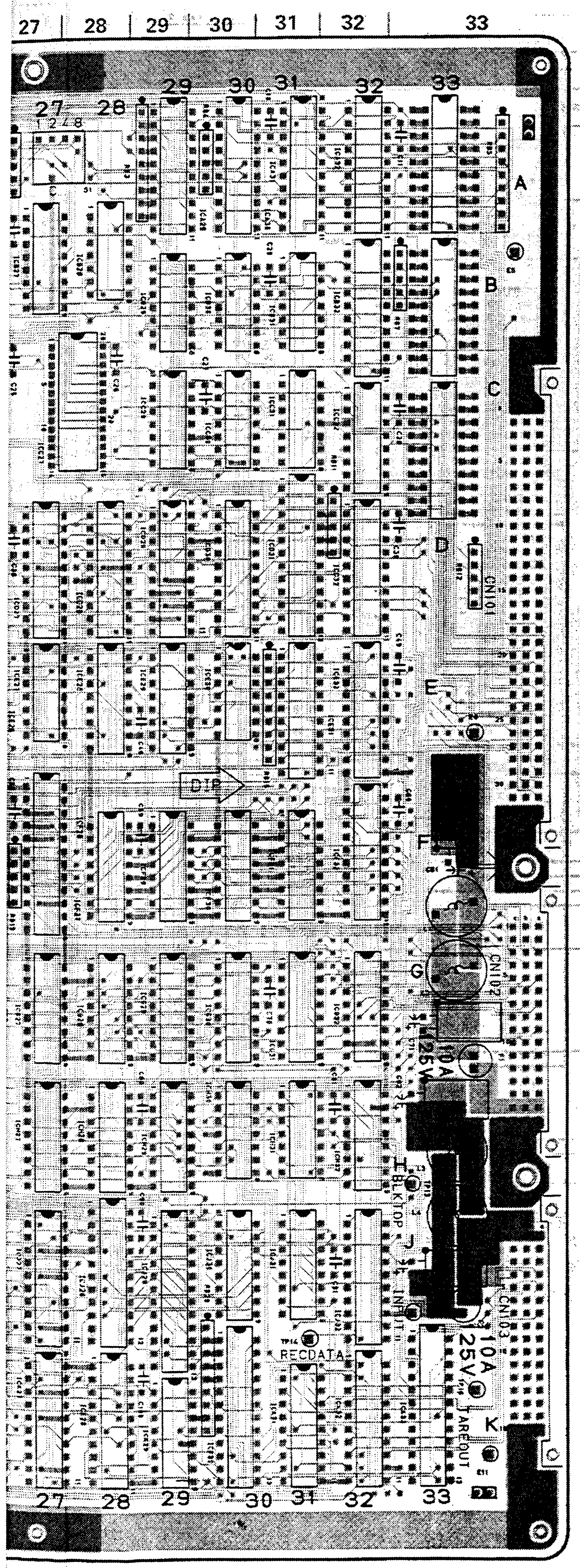
1-620-929-12 COMPONENT SIDE



1-620-929-12 SOLDER SIDE

AE-06 (1-620-929-12)

DVPC-1000

CN1	A19
CN2	A20
CN101M	D33
CN102M	G33
CN103M	K33
E1	F1
E2	F1
E3	B2
E4	A20
E5	B33
E6	G7
E7	F19
E8	E33
E9	J1
E10	J19
E11	K33
F1	H33
F2	J33
RB1	A19
RB2	A19
RB3	A29
RB4	A30
RB5	A33
RB6	B19
RB7	B33
RB8	C19
RB9	C19
RB10	D2
RB11	D32
RB12	D33
RB13	E11
RB14	E26
RB15	E31
RB16	F4
RB17	F11
RB18	F14
RB19	F27
RB20	H2
RB21	H4
RB22	H18
RB23	H22
RB24	J7
RB25	J10
RB26	J11
RB27	J11
RB28	J16
RB29	J29
RB30	A27
S1	A27
TP1	D1
TP2	D1
TP3	D1
TP4	D1
TP5	D1
TP6	D1
TP7	E1
TP8	E1
TP9	E1
TP10	E1
TP11	A23
TP12	D2
TP13	H33
TP14	J31
TP15	J33
TP16	K33
X1	A16

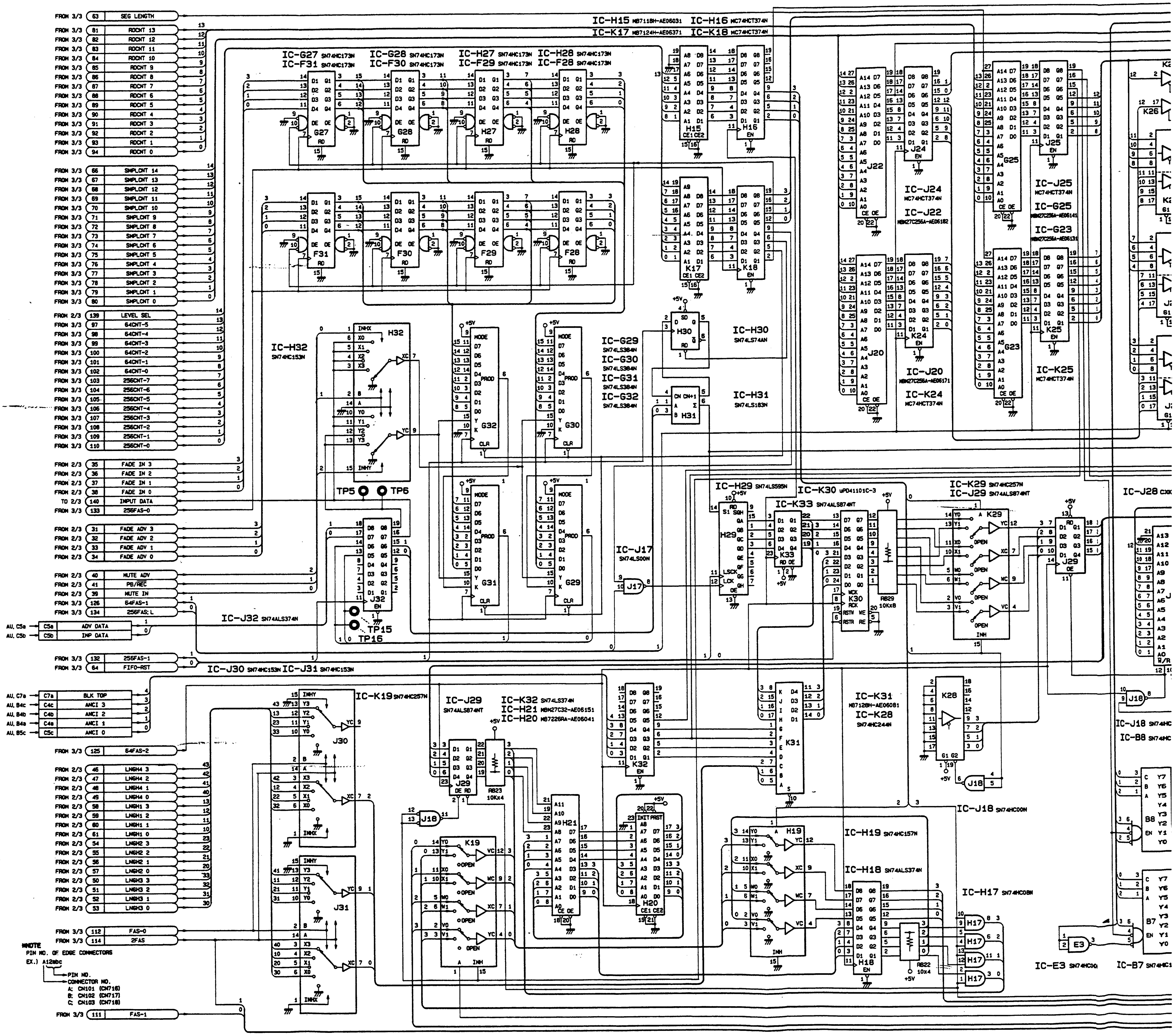
AE-06 BOARD

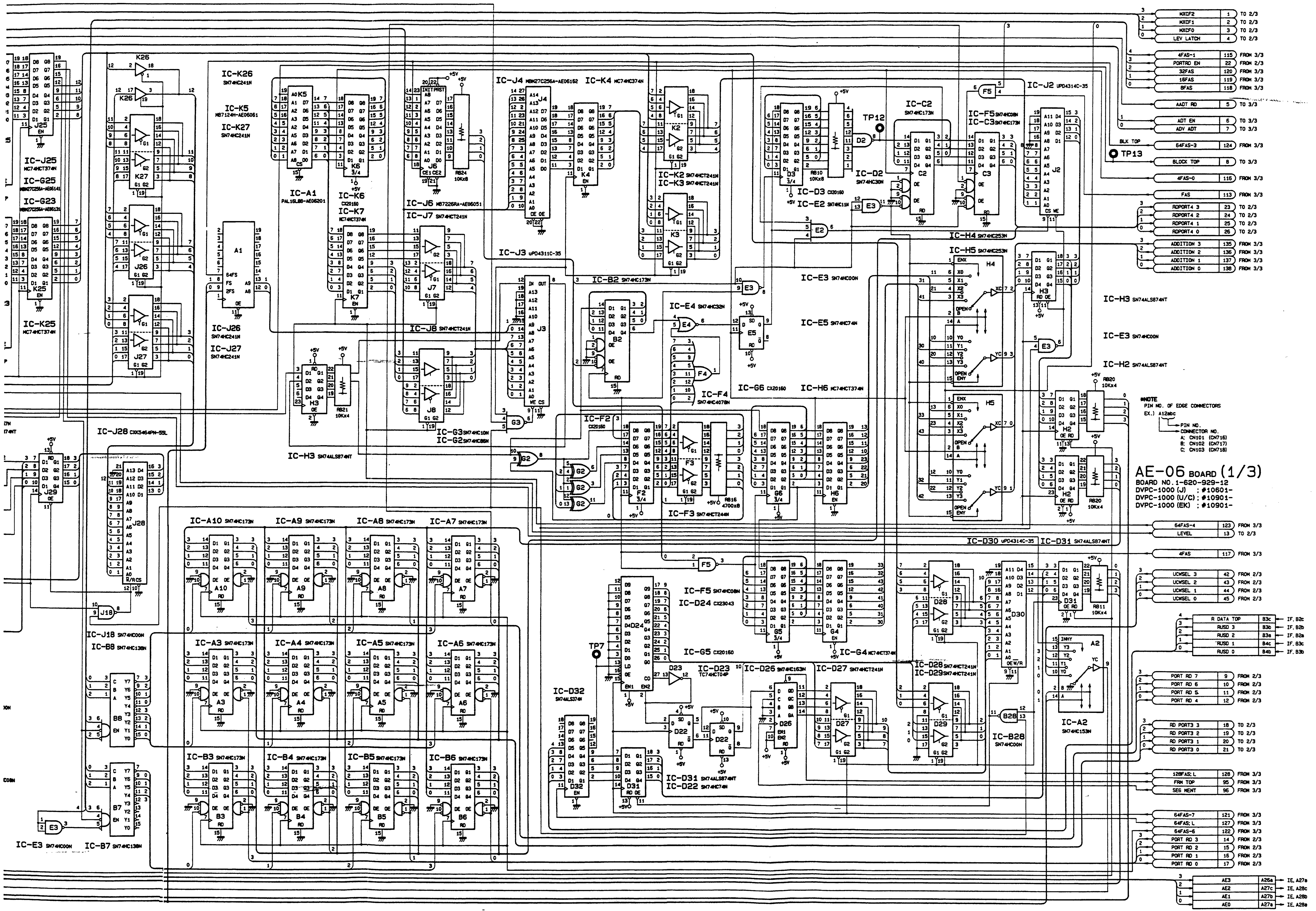
Ref. No.	Pin No.	
	+5V	GND
IC A1	20	10
IC A2	16	8
IC A3	16	8
IC A4	16	8
IC A5	16	8
IC A6	16	8
IC A7	16	8
IC A8	16	8
IC A9	16	8
IC A10	16	8
IC A11	20	10
IC A12	16	8
IC A13	16	8
IC A14	20	10
IC A17	28, 40	20
IC A21	14	7
IC A22	14	7
IC A24	1, 28	14
IC A29	20	10
IC A30	20	10
IC A31	20	10
IC A32	20	10
IC B2	16	8
IC B3	16	8
IC B4	16	8
IC B5	16	8
IC B6	16	8
IC B7	16	8
IC B8	16	8
IC B9	20	10
IC B10	20	10
IC B11	20	10
IC B13	24	12
IC B14	24	12
IC B16	24	12
IC B19	14	7
IC B20	14	7
IC B21	14	7
IC B22	14	7
IC B23	20	10
IC B26	28	14
IC B27	16	8
IC B28	14	7
IC B29	14	7
IC B30	14	7
IC B31	14	7
IC B32	20	10
IC C2	16	8
IC C3	16	8
IC C4	20	10
IC C5	20	10
IC C6	20	10
IC C7	20	10
IC C8	20	10
IC C9	20	10
IC C10	20	10
IC C11	16	8
IC C19	14	7
IC C20	14	7
IC C21	14	7
IC C22	14	7
IC C23	14	7
IC C24	14	7
IC C25	14	7
IC C26	14	7
IC C27	28	14
IC C29	14	7
IC C30	14	7
IC C31	14	7
IC C32	16	8
IC D2	14	7
IC D3	20	10
IC D4	20	10
IC D5	20	10
IC D6	20	10
IC D7	20	10
IC D8	20	10
IC D9	20	10
IC D10	20	10
IC D11	16	8
IC D12	16	8
IC D14	28	14
IC D15	14	7
IC D16	16	8
IC D18	28	14
IC D19	28	14
IC D21	28	14
IC D22	14	7
IC D23	14	7
IC D24	28	14
IC D26	16	8
IC D27	20	10
IC D28	20	10
IC D29	20	10
IC D30	20	10
IC D31	24	12
IC D32	20	10
IC E2	14	7
IC E3	14	7
IC E4	14	7
IC E5	14	7
IC E6	14	7
IC E7	14	7
IC E8	14	7
IC E9	24	12
IC E10	20	10
IC E11	20	10
IC E13	24	12
IC E14	20	10
IC E15	20	10
IC E16	20	10
IC E17	20	10
IC E18	20	10
IC E19	20	10
IC E20	20	10
IC E21	20	10
IC E22	20	10
IC E23	16	8
IC E24	16	8
IC E25	20	10
IC E26	16	8
IC E27	14	7
IC E28	16	8
IC E29	16	8
IC E30	14	7
IC E31	20	10
IC E32	20	10
IC F2	20	10
IC F3	20	10
IC F4	14	7
IC F5	14	7
IC F6	16	8
IC F7	16	8
IC F8	16	8
IC F9	16	8
IC F10	20	10
IC F11	14	7
IC F12	16	8
IC F13	20	10
IC F14	24	12
IC F15	24	12
IC F16	24	12
IC F17	14	7
IC F18	14	7
IC F19	14	7
IC F20	14	7
IC F21	24	12
IC F22	24	12
IC F23	1, 28	14
IC F25	24	12
IC F26	24	12
IC F27	24	12
IC F28	16	8
IC F29	16	8
IC F30	16	8
IC F31	16	8
IC F32	20	10
IC G2	14	7
IC G3	14	7
IC G4	20	10
IC G5	20	10
IC G6	20	10
IC G7	14	7
IC G8	14	7
IC G9	16	8
IC G10	16	8
IC G11	14	7
IC G12	16	8
IC G13	16	8
IC G14	16	8
IC G15	16	8
IC G16	16	8
IC G17	16	8
IC G18	16	8
IC G19	16	8
IC G20	16	8
IC G21	16	8
IC G22	14	7
IC G23	1, 28	14
IC G25	1, 28	14
IC G27	16	8
IC G28	16	8
IC G29	16	8
IC G30	16	8
IC G31	16	8
IC G32	16	8
IC H2	24	12
IC H3	24	12
IC H4	16	8
IC H5	16	8
IC H6	20	10
IC H7	20	10
IC H8	20	10
IC H9	20	10
IC H10	20	10
IC H11	20	10
IC H12	20	10
IC H13	20	10
IC H14	20	10
IC H15	20	10
IC H16	20	10
IC H17	14	7
IC H18	20	10
IC H19	16	8
IC H20	24	12
IC H21	24	12
IC H27	16	8
IC H28	16	8
IC H29	16	8
IC H30	14	7
IC H31	14	7
IC H32	16	8
IC J2	20	10
IC J3	20	10
IC J4	1, 28	14
IC J6	24	12
IC J7	20	10
IC J8	20	10
IC J9	20	10
IC J10	20	10
IC J11	20	10
IC J12	24	12
IC J13	24	12
IC J14	14	7
IC J15	14	7
IC J16	14	7
IC J17	14	7
IC J18	14	7
IC J20	1, 28	14
IC J22	1, 28	14
IC J24	20	10
IC J25	20	10
IC J26	20	10
IC J27	20	10
IC J28	22	11
IC J29	24	12
IC J30	16	8
IC J31	16	8
IC J32	20	10
IC K2	20	10
IC K3	20	10
IC K4	20	10
IC K5	20	10
IC K6	20	10
IC K7	20	10
IC K8	16	8
IC K9	16	8
IC K10	14	7
IC K11	14	7
IC K12	14	7
IC K13	14	7
IC K14	28	14
IC K15	28	14
IC K17	20	10
IC K18	20	10
IC K19	16	8
IC K24	20	10
IC K25	20	10
IC K26	20	10
IC K27	20	10
IC K28	20	10
IC K29	16	8
IC K30	18	7
IC K31	18	9
IC K32	20	10
IC K33	24	12

AE-06 BOARD (1/3)

Audio Outer Encoder

#10601 & UP (J)
#10901 & UP (UC)
#10901 & UP (EK)


IC-H15 MB7118H-AE06031
IC-H16 MC74HCT374N
IC-K17 MB7124H-AE06371
IC-K18 MC74HCT374N
IC-G27 SN74HC173N
IC-F31 SN74HC173N
IC-G28 SN74HC173N
IC-F30 SN74HC173N
IC-H27 SN74HC173N
IC-F29 SN74HC173N
IC-H28 SN74HC173N
IC-F28 SN74HC173N
IC-J24 MC74HCT374N
IC-J22 MBM27C256A-AE06182
IC-J25 MC74HCT374N
IC-G25 MBM27C256A-AE06141
IC-G23 MBM27C256A-AE06131
IC-J20 MBM27C256A-AE06171
IC-K24 MC74HCT374N
IC-K25 MC74HCT374N
IC-H32 SN74HC153N
IC-G29 SN74LS384N
IC-G30 SN74LS384N
IC-G31 SN74LS384N
IC-G32 SN74LS384N
IC-H30 SN74LS74AN
IC-H31 SN74LS183N
IC-J17 SN74LS00N
IC-H29 SN74LS595N
IC-K30 uPD41101C-3
IC-K33 SN74ALS874NT
IC-K29 SN74HC257N
IC-J29 SN74ALS874NT
IC-J28
IC-J32 SN74ALS374N
IC-J30 SN74HC153N
IC-J31 SN74HC153N
IC-K19 SN74HC257N
IC-J29 SN74ALS874NT
IC-K32 SN74LS374N
IC-H21 MBM27C32-AE06151
IC-H20 MB7226RA-AE06041
IC-K31 MB7128H-AE06081
IC-K28 SN74HC244N
IC-J18 SN74HC00N
IC-H19 SN74HC157N
IC-H18 SN74ALS374N
IC-H17 SN74HC08N
IC-J18 SN74HC
IC-B8 SN74HC
IC-E3 SN74HC04
IC-B7 SN74HC
TP5
TP6
TP15
TP16
RB29 10Kx8
RB23 10Kx4
RB22 10Kx4
※NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN716)
B: CN102 (CN717)
C: CN103 (CN718)


IC-K26 SN74HC241N
IC-K5 MB7124H-AE06061
IC-K27 SN74HC241N
IC-J25 HC74HCT374N
IC-G25 MBM27C256A-AE06141
IC-G23 MBM27C256A-AE06131
IC-K25 HC74HCT374N
IC-A1 PAL16L8B-AE06201
IC-K6 CX20160
IC-K7 HC74HCT374N
IC-J6 MB7226RA-AE06051
IC-J7 SN74HCT241N
IC-J4 MBM27C256A-AE06152
IC-K4 HC74HCT374N
IC-K2 SN74HCT241N
IC-K3 SN74HCT241N
IC-J3 uPD4311C-35
IC-J26 SN74HC241N
IC-J27 SN74HC241N
IC-J8 SN74HCT241N
IC-H3 SN74ALS874NT
IC-G3 SN74HC10N
IC-G2 SN74HC86N
IC-J28 CXK5464PM-55L
IC-B2 SN74HC173N
IC-E4 SN74HC32N
IC-F4 SN74HC4078N
IC-F2 CX20160
IC-F3 SN74HCT244N
IC-C2 SN74HC173N
IC-D2 SN74HC30N
IC-D3 CX20160
IC-E2 SN74HC11N
IC-F5 SN74HC08N
IC-C3 SN74HC173N
IC-J2 uPD4314C-35
IC-H4 SN74HC253N
IC-H5 SN74HC253N
IC-E3 SN74HC00N
IC-E5 SN74HC74N
IC-G6 CX20160
IC-H6 HC74HCT374N
IC-H3 SN74ALS874NT
IC-E3 SN74HC00N
IC-H2 SN74ALS874NT
TP12
TP13
TP7
IC-A10 SN74HC173N
IC-A9 SN74HC173N
IC-A8 SN74HC173N
IC-A7 SN74HC173N
IC-A3 SN74HC173N
IC-A4 SN74HC173N
IC-A5 SN74HC173N
IC-A6 SN74HC173N
IC-B3 SN74HC173N
IC-B4 SN74HC173N
IC-B5 SN74HC173N
IC-B6 SN74HC173N
IC-J18 SN74HC00N
IC-B8 SN74HC138N
IC-E3 SN74HC00N
IC-B7 SN74HC138N
IC-D30 uPD4314C-35
IC-D31 SN74ALS874NT
IC-F5 SN74HC08N
IC-D24 CX23043
IC-G5 CX20160
IC-G4 HC74HCT374N
IC-D23 TC74HCT04P
IC-D26 SN74HC163N
IC-D27 SN74HCT241N
IC-D28 SN74HCT241N
IC-D29 SN74HCT241N
IC-D32 SN74ALS374N
IC-D31 SN74ALS874NT
IC-D22 SN74HC74N
IC-A2 SN74HC153N
IC-B28 SN74HC00N
RB24 10Kx8
RB21 10Kx4
RB10 10Kx8
RB16 4700x8
RB20 10Kx4
RB11 10Kx4
BLK TOP
MXCF2 1 TO 2/3
MXCF1 2 TO 2/3
MXCF0 3 TO 2/3
LEV LATCH 4 TO 2/3
4FAS-1 115 FROM 3/3
PORTRD EN 22 FROM 2/3
32FAS 120 FROM 3/3
16FAS 119 FROM 3/3
8FAS 118 FROM 3/3
AADT RD 5 TO 3/3
ADT EN 6 TO 3/3
ADV ADT 7 TO 3/3
64FAS-3 124 FROM 3/3
BLOCK TOP 8 TO 3/3
4FAS-0 116 FROM 3/3
FAS 113 FROM 3/3
RDPORT4 3 23 TO 2/3
RDPORT4 2 24 TO 2/3
RDPORT4 1 25 TO 2/3
RDPORT4 0 26 TO 2/3
ADDITION 3 135 FROM 3/3
ADDITION 2 136 FROM 3/3
ADDITION 1 137 FROM 3/3
ADDITION 0 138 FROM 3/3
64FAS-4 123 FROM 3/3
LEVEL 13 TO 2/3
4FAS 117 FROM 3/3
UCWSEL 3 42 FROM 2/3
UCWSEL 2 43 FROM 2/3
UCWSEL 1 44 FROM 2/3
UCWSEL 0 45 FROM 2/3
R DATA TOP B3c IF. B2c
RUSD 3 B3b IF. B2b
RUSD 2 B3a IF. B2a
RUSD 1 B4c IF. B3c
RUSD 0 B4b IF. B3b
PORT RD 7 9 FROM 2/3
PORT RD 6 10 FROM 2/3
PORT RD 5 11 FROM 2/3
PORT RD 4 12 FROM 2/3
RD PORT3 3 18 TO 2/3
RD PORT3 2 19 TO 2/3
RD PORT3 1 20 TO 2/3
RD PORT3 0 21 TO 2/3
128FAS; L 128 FROM 3/3
FRM TOP 95 FROM 3/3
SEG MENT 96 FROM 3/3
64FAS-7 121 FROM 3/3
64FAS; L 127 FROM 3/3
64FAS-6 122 FROM 3/3
PORT RD 3 14 FROM 2/3
PORT RD 2 15 FROM 2/3
PORT RD 1 16 FROM 2/3
PORT RD 0 17 FROM 2/3
AE3 A26a IE. A27a
AE2 A27c IE. A28c
AE1 A27b IE. A28b
AE0 A27a IE. A28a

***NOTE**
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
→PIN NO.
→CONNECTOR NO.
A; CN101 (CN716)
B; CN102 (CN717)
C; CN103 (CN718)

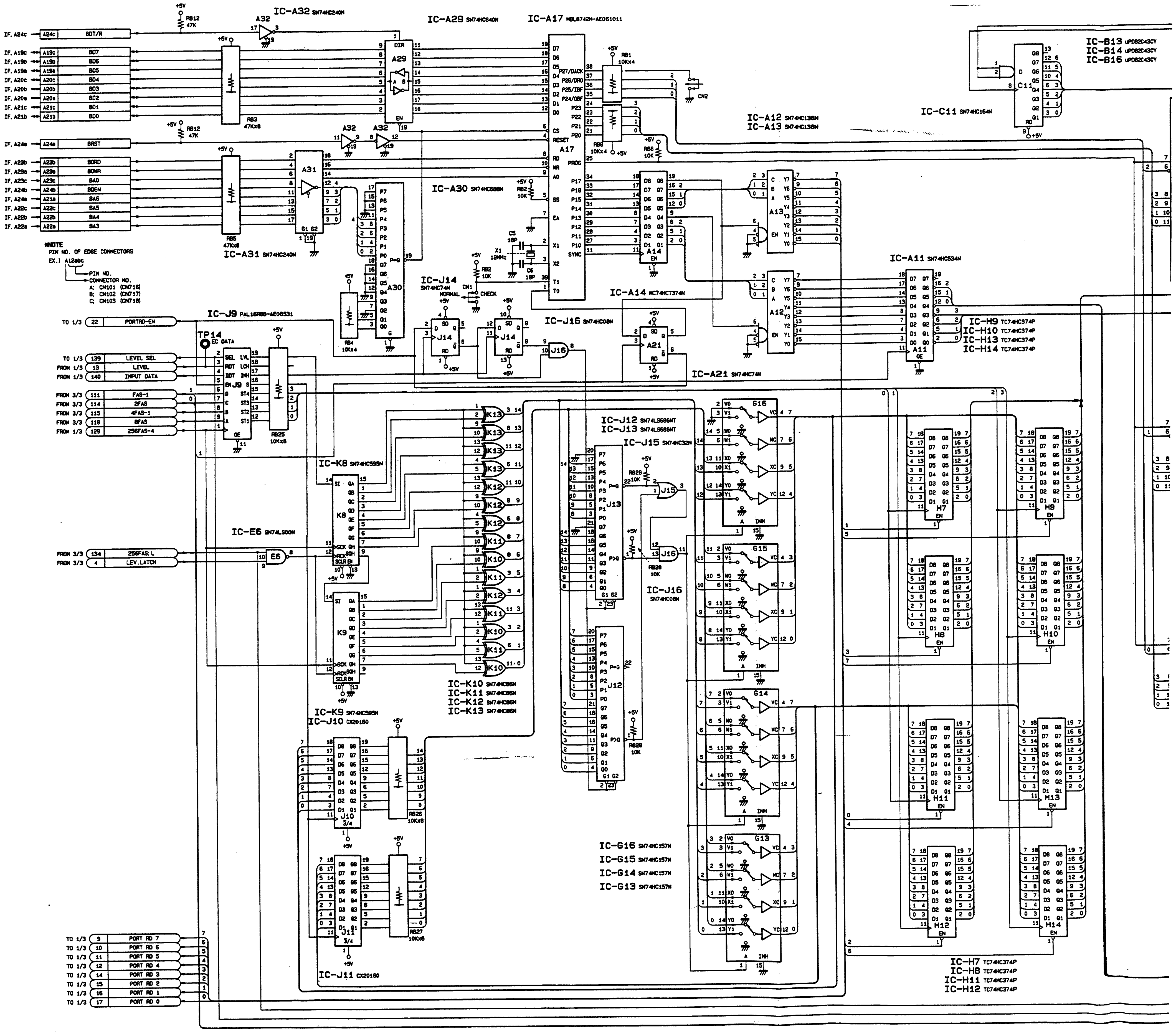
AE-06 BOARD (1/3)

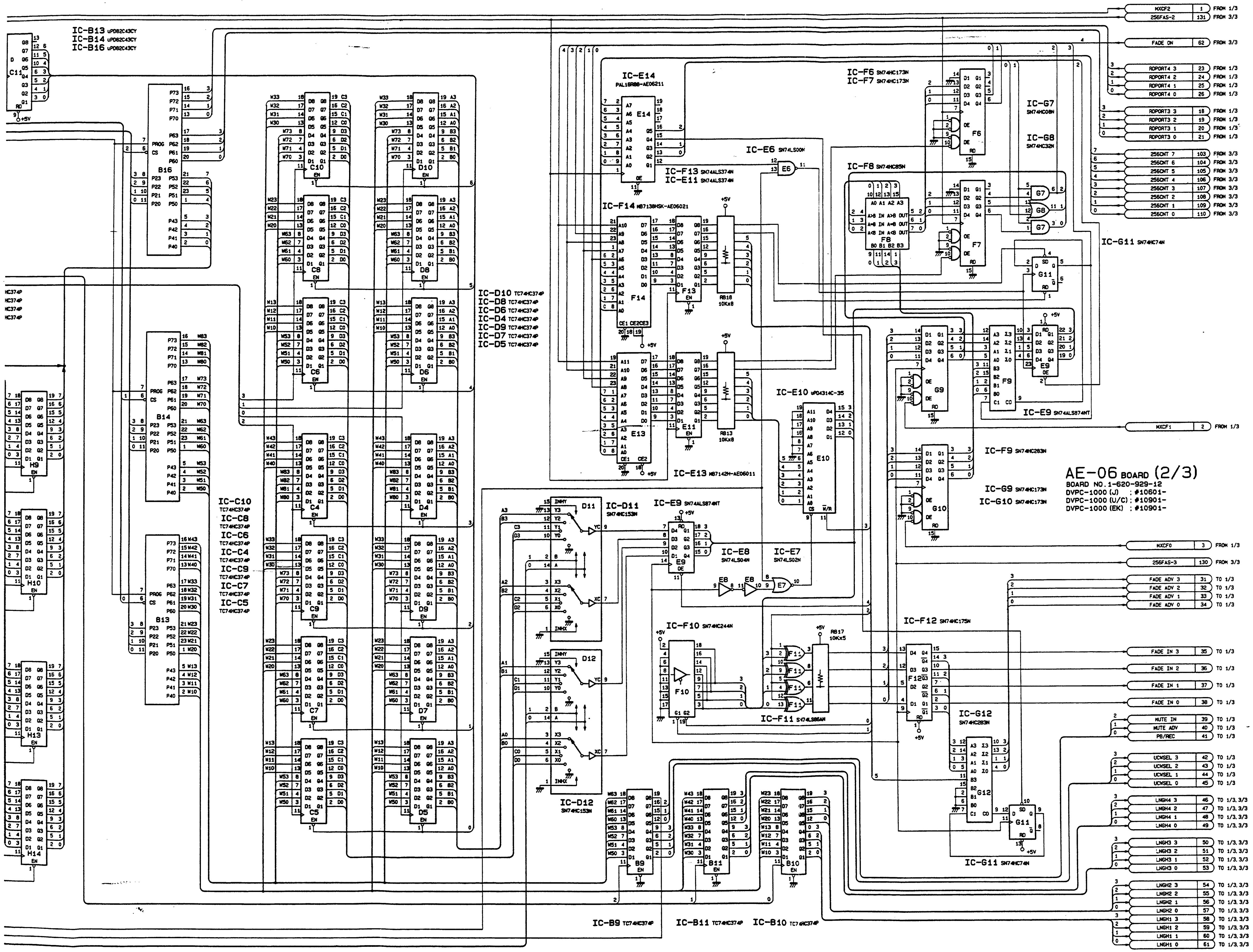
BOARD NO. 1-620-929-12
DVPC-1000 (J) ; #10601-
DVPC-1000 (U/C) ; #10901-
DVPC-1000 (EK) ; #10901-

AE-06 BOARD (2/3)

Audio Outer Encoder

#10601 & UP (J)
#10901 & UP (UC)
#10901 & UP (EK)


IC-A32 SN74HC240N
IC-A29 SN74HC640N
IC-A17 MBL8742H-AE061011
IC-B13 uPD82C43CY
IC-B14 uPD82C43CY
IC-B16 uPD82C43CY
IC-C11 SN74HC164N
IC-A12 SN74HC138N
IC-A13 SN74HC138N
IC-A30 SN74HC688N
IC-A31 SN74HC240N
IC-A11 SN74HC534N
IC-J14 SN74HC74N
IC-A14 MC74HCT374N
IC-J16 SN74HC08N
IC-J9 PAL16R8B-AE06531
IC-A21 SN74HC74N
IC-H9 TC74HC374P
IC-H10 TC74HC374P
IC-H13 TC74HC374P
IC-H14 TC74HC374P
TP14 EC DATA
IC-J12 SN74LS686NT
IC-J13 SN74LS686NT
IC-J15 SN74HC32N
IC-K8 SN74HC595N
IC-E6 SN74LS00N
IC-K10 SN74HC86N
IC-K11 SN74HC86N
IC-K12 SN74HC86N
IC-K13 SN74HC86N
IC-K9 SN74HC595N
IC-J10 CX20160
IC-J11 CX20160
IC-G16 SN74HC157N
IC-G15 SN74HC157N
IC-G14 SN74HC157N
IC-G13 SN74HC157N
IC-H7 TC74HC374P
IC-H8 TC74HC374P
IC-H11 TC74HC374P
IC-H12 TC74HC374P
NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN716)
B: CN102 (CN717)
C: CN103 (CN718)
TO 1/3 22 PORTRD-EN
TO 1/3 139 LEVEL SEL
FROM 1/3 13 LEVEL
FROM 1/3 140 INPUT DATA
FROM 3/3 111 FAS-1
FROM 3/3 114 2FAS
FROM 3/3 115 4FAS-1
FROM 3/3 118 8FAS
FROM 3/3 129 256FAS-4
FROM 3/3 134 256FAS L
FROM 3/3 4 LEV.LATCH
TO 1/3 9 PORT RD 7
TO 1/3 10 PORT RD 6
TO 1/3 11 PORT RD 5
TO 1/3 12 PORT RD 4
TO 1/3 14 PORT RD 3
TO 1/3 15 PORT RD 2
TO 1/3 16 PORT RD 1
TO 1/3 17 PORT RD 0
BOT/R
BST
CN2
X1 12MHz
NORMAL
CHECK


IC-B13 uPD82C43CY
IC-B14 uPD82C43CY
IC-B16 uPD82C43CY
C11
B16
B14
B13
H9
H10
H13
H14
IC-C10 TC74HC374P
IC-C8 TC74HC374P
IC-C6 TC74HC374P
IC-C4 TC74HC374P
IC-C9 TC74HC374P
IC-C7 TC74HC374P
IC-C5 TC74HC374P
IC-D10 TC74HC374P
IC-D8 TC74HC374P
IC-D6 TC74HC374P
IC-D4 TC74HC374P
IC-D9 TC74HC374P
IC-D7 TC74HC374P
IC-D5 TC74HC374P
IC-D11 SN74HC153N
IC-D12 SN74HC153N
IC-E14 PAL16R8B-AE06211
IC-E6 SN74LS00N
IC-F13 SN74ALS374N
IC-E11 SN74ALS374N
IC-F14 MB7138HSK-AE06021
IC-E13 MB7142H-AE06011
IC-E10 uPD4314C-35
IC-E9 SN74ALS874NT
IC-E8 SN74LS04N
IC-E7 SN74LS02N
IC-F10 SN74HC244N
IC-F11 SN74LS86AN
IC-F6 SN74HC173N
IC-F7 SN74HC173N
IC-F8 SN74HC85N
IC-G7 SN74HC08N
IC-G8 SN74HC32N
IC-G11 SN74HC74N
IC-E9 SN74ALS874NT
IC-F9 SN74HC283N
IC-G9 SN74HC173N
IC-G10 SN74HC173N
IC-F12 SN74HC175N
IC-G12 SN74HC283N
IC-B9 TC74HC374P
IC-B11 TC74HC374P
IC-B10 TC74HC374P
RB18 10Kx8
RB13 10Kx8
RB17 10Kx5
+5V
MXCF2 1 FROM 1/3
256FAS-2 131 FROM 3/3
FADE ON 62 FROM 3/3
RDPORT4 3 23 FROM 1/3
RDPORT4 2 24 FROM 1/3
RDPORT4 1 25 FROM 1/3
RDPORT4 0 26 FROM 1/3
RDPORT3 3 18 FROM 1/3
RDPORT3 2 19 FROM 1/3
RDPORT3 1 20 FROM 1/3
RDPORT3 0 21 FROM 1/3
256CNT 7 103 FROM 3/3
256CNT 6 104 FROM 3/3
256CNT 5 105 FROM 3/3
256CNT 4 106 FROM 3/3
256CNT 3 107 FROM 3/3
256CNT 2 108 FROM 3/3
256CNT 1 109 FROM 3/3
256CNT 0 110 FROM 3/3
MXCF1 2 FROM 1/3
MXCF0 3 FROM 1/3
256FAS-3 130 FROM 3/3
FADE ADV 3 31 TO 1/3
FADE ADV 2 32 TO 1/3
FADE ADV 1 33 TO 1/3
FADE ADV 0 34 TO 1/3
FADE IN 3 35 TO 1/3
FADE IN 2 36 TO 1/3
FADE IN 1 37 TO 1/3
FADE IN 0 38 TO 1/3
MUTE IN 39 TO 1/3
MUTE ADV 40 TO 1/3
PB/REC 41 TO 1/3
UCWSEL 3 42 TO 1/3
UCWSEL 2 43 TO 1/3
UCWSEL 1 44 TO 1/3
UCWSEL 0 45 TO 1/3
LNGH4 3 46 TO 1/3,3/3
LNGH4 2 47 TO 1/3,3/3
LNGH4 1 48 TO 1/3,3/3
LNGH4 0 49 TO 1/3,3/3
LNGH3 3 50 TO 1/3,3/3
LNGH3 2 51 TO 1/3,3/3
LNGH3 1 52 TO 1/3,3/3
LNGH3 0 53 TO 1/3,3/3
LNGH2 3 54 TO 1/3,3/3
LNGH2 2 55 TO 1/3,3/3
LNGH2 1 56 TO 1/3,3/3
LNGH2 0 57 TO 1/3,3/3
LNGH1 3 58 TO 1/3,3/3
LNGH1 2 59 TO 1/3,3/3
LNGH1 1 60 TO 1/3,3/3
LNGH1 0 61 TO 1/3,3/3

AE-06 BOARD (2/3)
BOARD NO.1-620-929-12
DVPC-1000 (J) : #10601-
DVPC-1000 (U/C) : #10901-
DVPC-1000 (EK) : #10901-

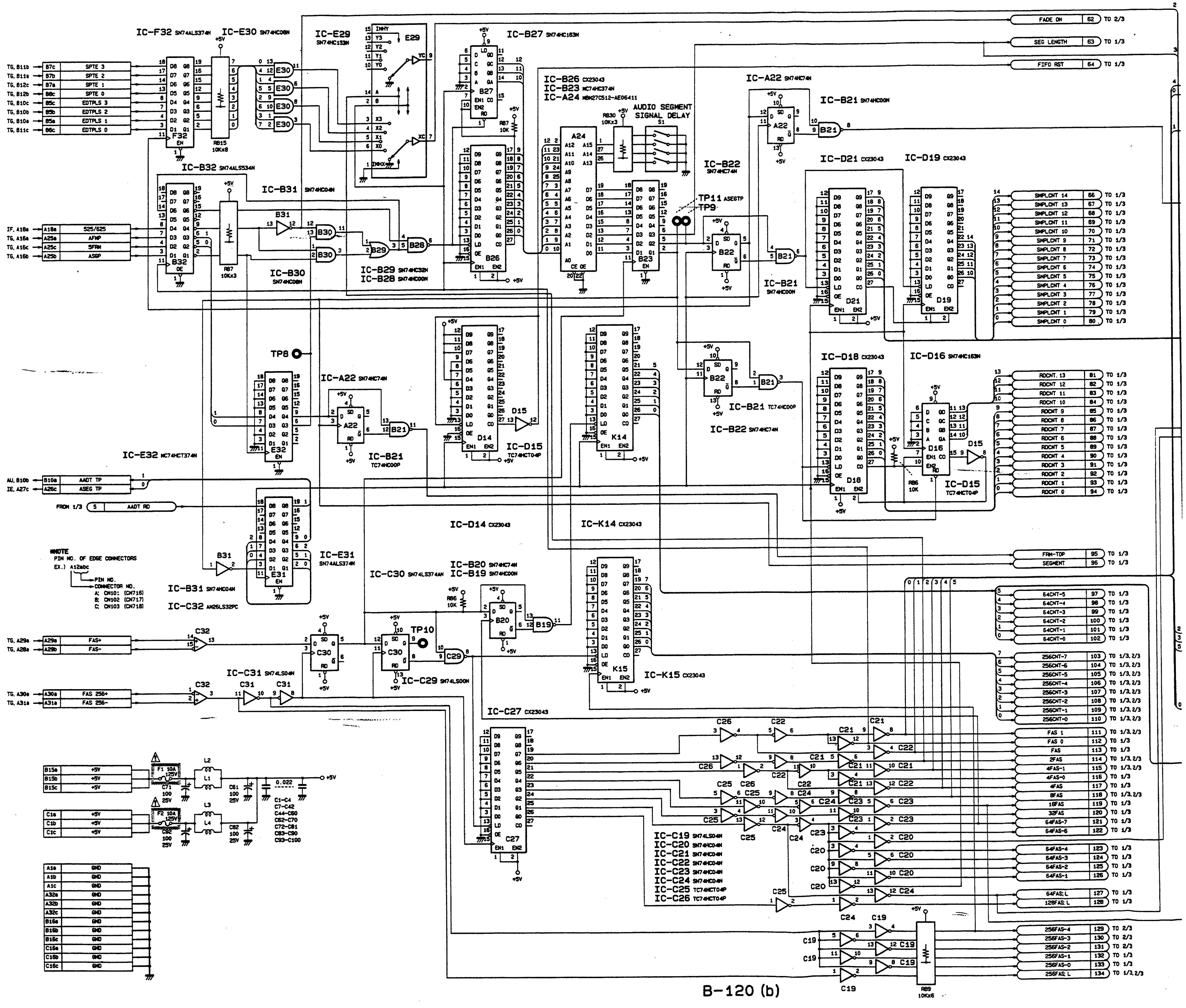
B-113 (b)

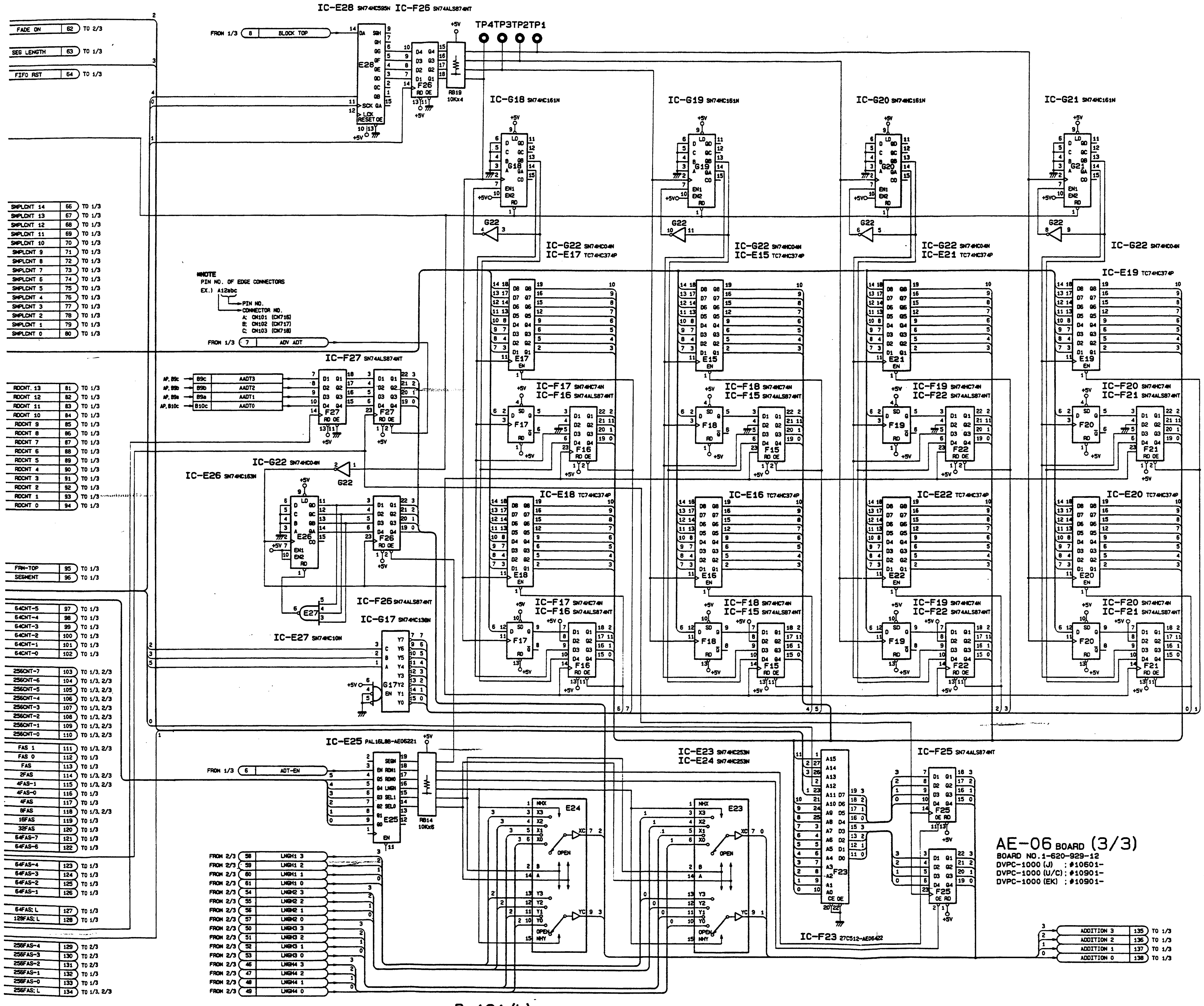
B-114 (b)

AE-06 BOARD (3/3)

Audio Outer Encoder

#10601 & UP (J)
#10901 & UP (UC)
#10901 & UP (EK)


IC-F32 SN74ALS374N
IC-E30 SN74HC08N
IC-E29 SN74HC153N
IC-B27 SN74HC163N
IC-B26 CX23043
IC-B23 MC74HCT374N
IC-A24 MBM27C512-AE06411
AUDIO SEGMENT SIGNAL DELAY
IC-A22 SN74HC74N
IC-B21 SN74HC00N
IC-B32 SN74ALS534N
IC-B31 SN74HC04N
IC-B30 SN74HC08N
IC-B29 SN74HC32N
IC-B28 SN74HC00N
IC-B22 SN74HC74N
TP11 ASE6TP
TP9
IC-D21 CX23043
IC-D19 CX23043
TP8
IC-A22 SN74HC74N
IC-B21 TC74HC00P
IC-D15 TC74HCT04P
IC-D18 CX23043
IC-D16 SN74HC163N
IC-B21 TC74HC00P
IC-B22 SN74HC74N
IC-D15 TC74HCT04P
IC-E32 MC74HCT374N
IC-D14 CX23043
IC-K14 CX23043
IC-E31 SN74ALS374N
IC-B31 SN74HC04N
IC-C32 AM26LS32PC
IC-C30 SN74LS374AN
IC-B20 SN74HC74N
IC-B19 SN74HC00N
TP10
IC-C31 SN74LS04N
IC-C29 SN74LS00N
IC-K15 CX23043
IC-C27 CX23043
IC-C19 SN74LS04N
IC-C20 SN74HC04N
IC-C21 SN74HC04N
IC-C22 SN74HC04N
IC-C23 SN74HC04N
IC-C24 SN74HC04N
IC-C25 TC74HCT04P
IC-C26 TC74HCT04P
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN716)
B: CN102 (CN717)
C: CN103 (CN718)
SPTE 3
SPTE 2
SPTE 1
SPTE 0
EDTPLS 3
EDTPLS 2
EDTPLS 1
EDTPLS 0
525/625
AFMP
SFRM
ASGP
AADT TP
ASEG TP
FROM 1/3
AADT RD
FAS+
FAS-
FAS 256+
FAS 256-
FADE ON
SEG LENGTH
FIFO RST
SMPLCNT 14
SMPLCNT 0
RDCNT 13
RDCNT 0
FRM-TOP
SEGMENT
64CNT-5
64CNT-0
256CNT-7
256CNT-0
FAS 1
FAS 0
FAS
2FAS
4FAS-1
4FAS-0
4FAS
8FAS
16FAS
32FAS
64FAS-7
64FAS-6
64FAS-4
64FAS-3
64FAS-2
64FAS-1
64FAS L
128FAS L
256FAS-4
256FAS-3
256FAS-2
256FAS-1
256FAS-0
256FAS L
TO 1/3
TO 2/3
TO 1/3,2/3
+5V
GND
C1-C4
C7-C42
C44-C50
C52-C70
C72-C81
C83-C90
C93-C100


IC-E28 SN74HC595N IC-F26 SN74ALS874NT
TP4 TP3 TP2 TP1
FROM 1/3 8 BLOCK TOP
FADE ON 62 TO 2/3
SEG LENGTH 63 TO 1/3
FIFO RST 64 TO 1/3
RB19 10K×4
IC-G18 SN74HC161N
IC-G19 SN74HC161N
IC-G20 SN74HC161N
IC-G21 SN74HC161N
IC-G22 SN74HC04N
IC-E17 TC74HC374P
IC-E15 TC74HC374P
IC-E21 TC74HC374P
IC-E19 TC74HC374P
SMPLCNT 14 … SMPLCNT 0 (66–80) TO 1/3
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN716)
B: CN102 (CN717)
C: CN103 (CN718)
FROM 1/3 7 ADV ADT
IC-F27 SN74ALS874NT
AADT3 AADT2 AADT1 AADT0
RDCNT 13 … RDCNT 0 (81–94) TO 1/3
IC-F17 SN74HC74N
IC-F16 SN74ALS874NT
IC-F18 SN74HC74N
IC-F15 SN74ALS874NT
IC-F19 SN74HC74N
IC-F22 SN74ALS874NT
IC-F20 SN74HC74N
IC-F21 SN74ALS874NT
IC-G22 SN74HC04N
IC-E26 SN74HC163N
IC-E18 TC74HC374P
IC-E16 TC74HC374P
IC-E22 TC74HC374P
IC-E20 TC74HC374P
FRM-TOP 95 TO 1/3
SEGMENT 96 TO 1/3
IC-F26 SN74ALS874NT
IC-G17 SN74HC138N
IC-E27 SN74HC10N
64CNT-5 … 64CNT-0 (97–102) TO 1/3
256CNT-7 … 256CNT-0 (103–110) TO 1/3, 2/3
FAS 1, FAS 0, FAS, 2FAS, 4FAS-1, 4FAS-0, 4FAS, 8FAS, 16FAS, 32FAS, 64FAS-7, 64FAS-6 (111–122)
64FAS-4 … 64FAS-1 (123–126) TO 1/3
64FAS; L 127 TO 1/3
128FAS; L 128 TO 1/3
256FAS-4 … 256FAS; L (129–134) TO 2/3, TO 1/3
IC-E25 PAL16L8B-AE06221
FROM 1/3 6 ADT-EN
RB14 10K×8
FROM 2/3 LNGH1 3 … LNGH4 0
IC-E23 SN74HC253N
IC-E24 SN74HC253N
E24 E23 OPEN
IC-F23 27C512-AE06422
IC-F25 SN74ALS874NT
ADDITION 3 135 TO 1/3
ADDITION 2 136 TO 1/3
ADDITION 1 137 TO 1/3
ADDITION 0 138 TO 1/3

AE-06 BOARD (3/3)

BOARD NO.1-620-929-12
DVPC-1000 (J) : #10601-
DVPC-1000 (U/C) : #10901-
DVPC-1000 (EK) : #10901-

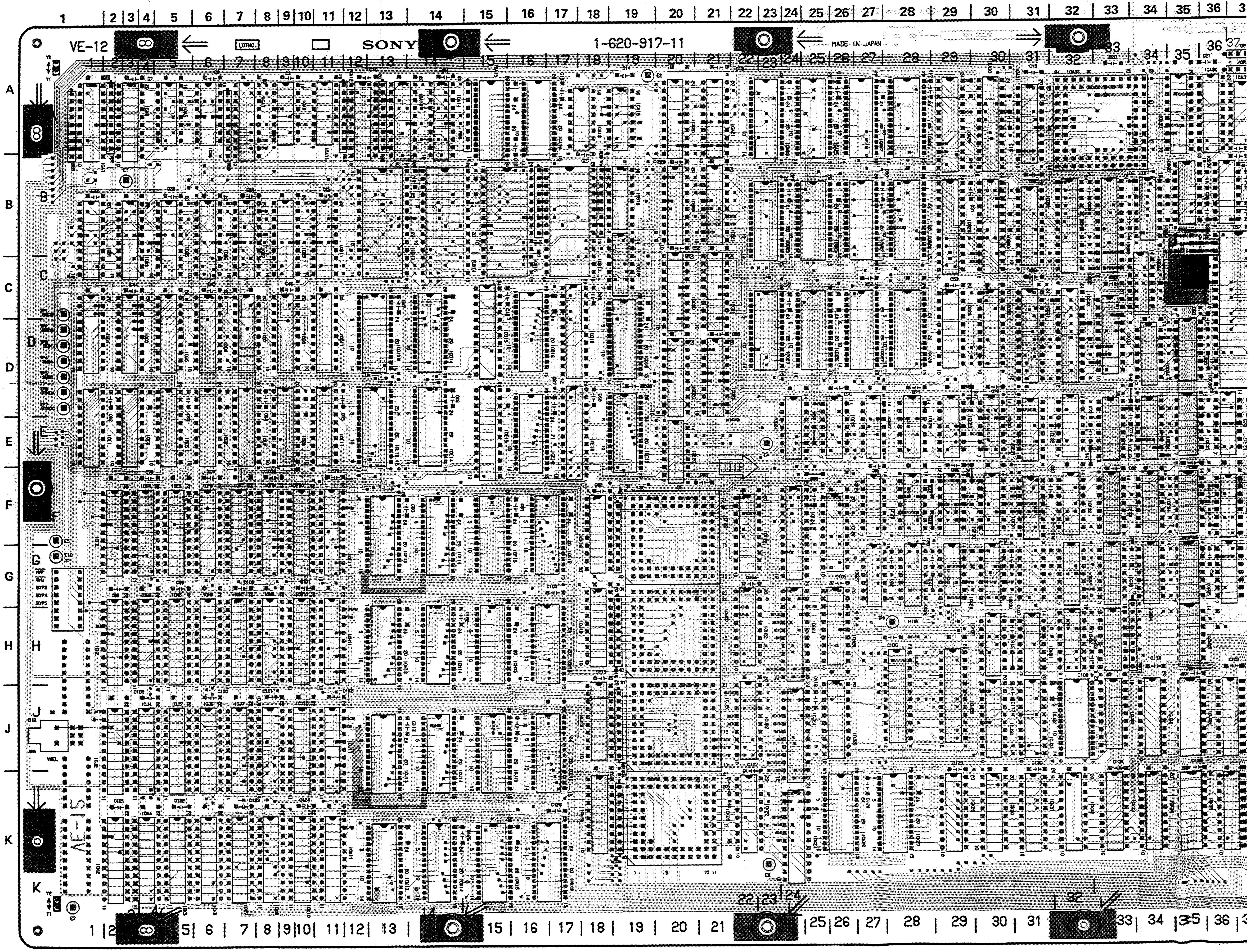
B-121 (b)

B-122 (b)

VE-12 BOARD (1-620-917-11)

Component Side

#10001 TO 10599 (J)
#10001 TO 10899 (UC)
#10001 TO 10899 (EK)


VE-12
SONY
1-620-917-11
MADE IN JAPAN
DIP
A
B
C
D
E
F
G
H
J
K
1
2
3
4
5
6
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8
9
10
11
12
13
14
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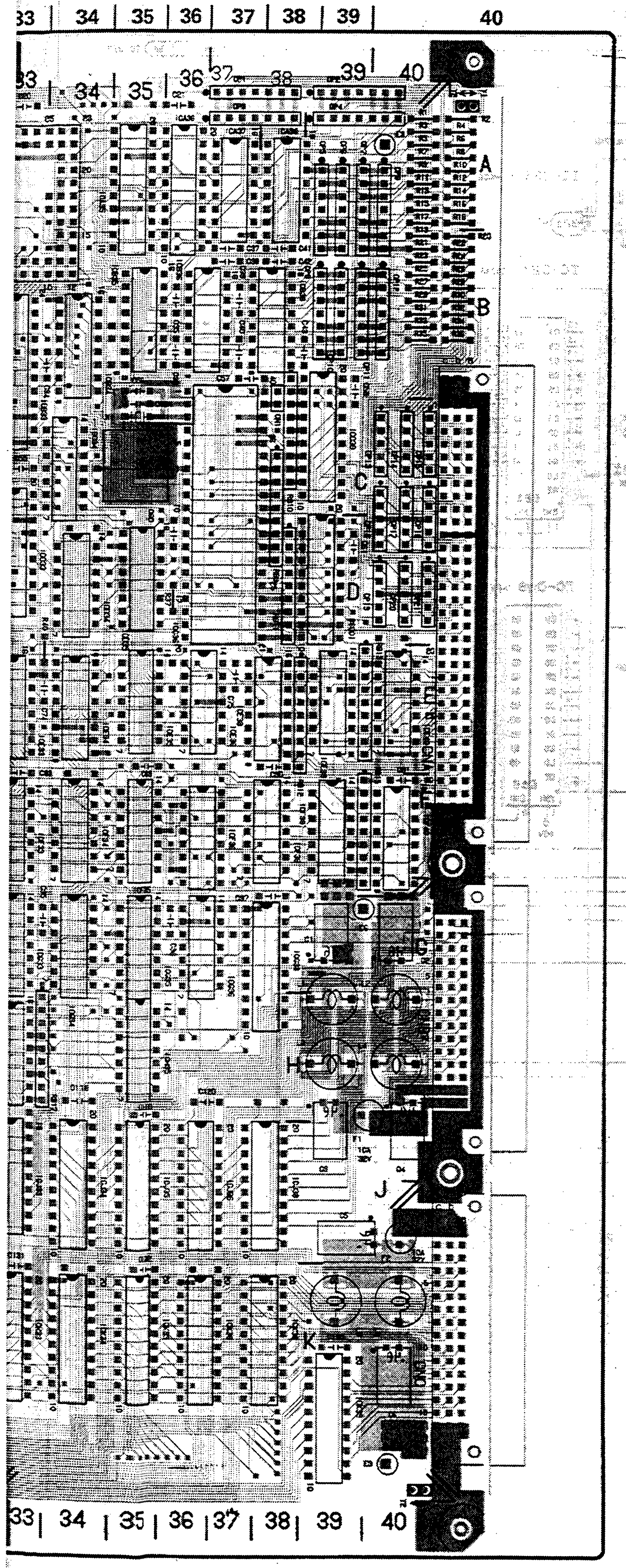
1-620-917-11 COMPONENT SIDE



1-620-917-11 SOLDER SIDE

VE-12 (1-620-917-11)

DVPC-1000

CN1	B38	RB18	J19
		RB19	K19
CP1	A37		
CP2	A39	S1	G1
CP3	A37	S2	J1
CP4	A39		
CP5	A39	TP1	C1
CP6	A39	TP2	D1
CP7	A39	TP3	D1
CP8	A40	TP4	D1
CP9	B39	TP5	D1
CP10	B39	TP6	D1
CP11	B39	TP7	D1
CP12	B40	TP8	H28
CP13	C40		
CP14	C40	X1	C35
CP15	C40		
CP16	D40		
CP17	D40		
CP18	D40		
CP19	D40		
CP20	D40		
CP21	D40		
E1	B3		
E2	A19		
E3	A40		
E4	E23		
E5	F1		
E6	G40		
E7	K1		
E8	K23		
E9	K40		
E10	G1		
F1	H40		
F2	J40		
RB1	A1		
RB2	A2		
RB3	A7		
RB4	A11		
RB5	A13		
RB6	A15		
RB7	B16		
RB8	B18		
RB9	C38		
RB10	C38		
RB11	D38		
RB12	E38		
RB13	E39		
RB14	F19		
RB15	F39		
RB16	H29		
RB17	H33		

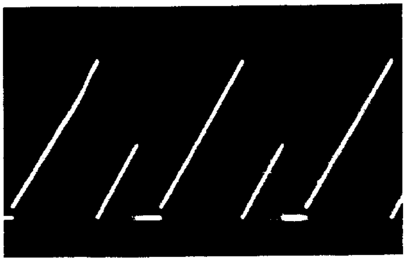
VE-12 BOARD

Ref. No.	Pin No.		
	+5V	GND	−5V
IC A1	20	10	
IC A3	20	10	
IC A5	16	8	
IC A6	16	8	
IC A7	20	10	
IC A9	16	8	
IC A11	16	8	
IC A12	20	10	
IC A13	20	10	
IC A14	20	10	
IC A15	28	14	
IC A16	28	14	
IC A18	16	8	
IC A19	16	8	
IC A20	20	10	
IC A21	20	10	
IC A23	28	14	
IC A25	28	14	
IC A27	28	14	
IC A28	28	14	
IC A29	24	12	
IC A30	18	7	
IC A31	20	10	
IC A33	81, 82, 85, 86	83, 84, 87, 88	
IC A35	20	10	
IC A36	20	10	
IC A37	9	16	8
IC A38	9	16	8
IC B1	20	10	
IC B3	20	10	
IC B5	20	10	
IC B6	20	10	
IC B7	20	10	
IC B9	20	10	
IC B11	20	10	
IC B13	1, 28	14	
IC B14	1, 28	14	
IC B15	1, 28	14	
IC B17	1, 28	14	
IC B19	16	8	
IC B20	20	10	
IC B21	20	10	
IC B23	28	14	
IC B25	28	14	
IC B27	28	14	
IC B28	28	14	
IC B29	24	12	
IC B30	18	7	
IC B31	20	10	
IC B32	24	12	
IC B33	18	7	
IC B34	16	8	
IC B35	9	16	8
IC B36	9	16	8
IC B38	9	16	8
IC C19	14	7	
IC C20	20	10	
IC C21	20	10	
IC C23	28	14	
IC C25	28	14	
IC C27	28	14	
IC C28	28	14	
IC C29	20	10	
IC C30	20	10	
IC C31	24	12	
IC C32	18	7	
IC C33	20	10	
IC C34	14	7	
IC C36	26, 40	20	
IC C39	20	10	
IC D1	20	10	
IC D3	20	10	
IC D5	20	10	
IC D6	20	10	
IC D7	20	10	
IC D9	20	10	
IC D11	20	10	
IC D13	28	14	
IC D14	28	14	
IC D15	24	12	
IC D16	28	14	
IC D18	24	12	
IC D19	28	14	
IC D20	20	10	
IC D21	20	10	
IC D34	14	7	
IC D35	16	8	
IC D39	20	10	
IC E1	20	10	
IC E3	20	10	
IC E5	20	10	
IC E6	20	10	
IC E7	20	10	
IC E9	20	10	
IC E11	20	10	
IC E13	28	14	
IC E14	28	14	
IC E15	24	12	
IC E16	28	14	
IC E18	24	12	
IC E19	28	14	
IC E20	14	7	
IC E24	14	7	
IC E26	14	7	
IC E27	14	7	
IC E28	14	7	
IC E29	14	7	
IC E30	14	7	
IC E31	16	8	
IC E32	14	7	
IC E33	16	8	
IC E34	16	8	
IC E35	14	7	
IC E36	14	7	
IC E38	16	8	
IC E39	14	7	
IC E40	14	7	
IC F2	22	11	
IC F4	22	11	
IC F5	22	11	
IC F6	22	11	
IC F7	22	11	
IC F8	22	11	
IC F10	22	11	
IC F11	22	11	
IC F13	28	14	
IC F14	28	14	
IC F15	28	14	
IC F16	28	14	
IC F18	20	10	
IC F20	41, 57, 65, 49	42, 48, 58, 64	
IC F22	20	10	
IC F24	24	12	
IC F26	20	10	
IC F27	14	7	
IC F28	14	7	
IC F29	14	7	
IC F30	14	7	
IC F31	16	8	
IC F32	14	7	
IC F33	14	7	
IC F34	14	7	
IC F35	14	7	
IC F36	16	8	
IC F38	14	7	
IC F39	14	7	
IC F40	16	8	
IC G27	14	7	
IC G28	14	7	
IC G29	14	7	
IC G30	14	7	
IC G31	14	7	
IC G32	14	7	
IC G33	14	7	
IC G34	14	7	
IC G35	14	7	
IC G36	14	7	
IC G38	20	10	
IC H2	22	11	
IC H4	22	11	
IC H5	22	11	
IC H6	22	11	
IC H7	22	11	
IC H8	22	11	
IC H10	22	11	
IC H11	22	11	
IC H13	28	14	
IC H14	28	14	
IC H15	28	14	
IC H16	28	14	
IC H18	20	10	
IC H20	41, 57, 65, 49	42, 48, 58, 64	
IC H22	20	10	
IC H24	24	12	
IC H26	20	10	
IC H30	14	7	
IC H31	14	7	
IC H32	16	8	
IC H33	16	8	
IC H35	14	7	
IC J2	22	11	
IC J4	22	11	
IC J5	22	11	
IC J6	22	11	
IC J7	22	11	
IC J8	22	11	
IC J10	22	11	
IC J11	22	11	
IC J13	28	14	
IC J14	28	14	
IC J15	28	14	
IC J16	28	14	
IC J18	20	10	
IC J20	41, 57, 65, 49	42, 48, 58, 64	
IC J22	20	10	
IC J24	24	12	
IC J26	20	10	
IC J27	24	12	
IC J29	24	12	
IC J30	24	12	
IC J31	20	10	
IC J32	20	10	
IC J33	28	14	
IC J34	18	10	
IC J35	20	10	
IC J36	20	10	
IC J38	20	10	
IC K2	22	11	
IC K4	22	11	
IC K5	22	11	
IC K6	22	11	
IC K7	22	11	
IC K8	22	11	
IC K10	22	11	
IC K11	22	11	
IC K13	28	14	
IC K14	28	14	
IC K15	28	14	
IC K16	28	14	
IC K18	20	10	
IC K20	41, 57, 65, 49	42, 48, 58, 64	
IC K22	20	10	
IC K24	24	12	
IC K26	28	14	
IC K27	28	14	
IC K29	20	10	
IC K30	20	10	
IC K31	20	10	
IC K32	20	10	
IC K33	20	10	
IC K34	20	10	
IC K35	20	10	
IC K36	20	10	
IC K38	20	10	
IC K39	20	10	
CP1	Refer to schematic diagram.		
CP2			
CP3			
CP4			
CP5			
CP6			
CP7			
CP8			
CP9			
CP10			
CP11			
CP12			

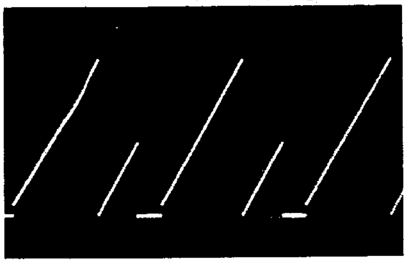
①INTERFACE DECODER OUTPUT DATA

Setting of Oscilloscope
20 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ········· ON
Setting of Switches/Jumpers (DVPC-1000)
Refer to page B-2.

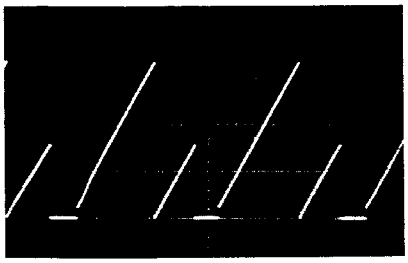
Y Channel; IC-C33/VE-12/Page B-128



R-Y Channel; IC-A31/VE-12/Page B-128



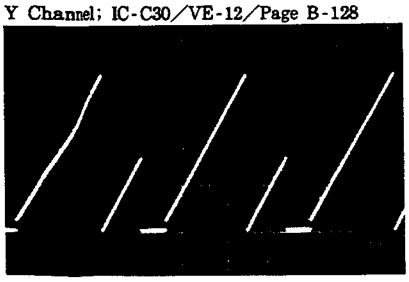
B-Y Channel; IC-B31/VE-12/Page B-128



②SOURCE MAPPING OUTPUT DATA

Setting of Oscilloscope
20 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ········· ON
Setting of Switches/Jumpers (DVPC-1000)
Refer to page B-2.

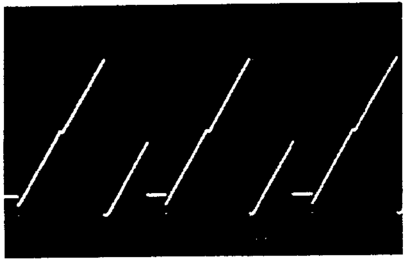
Y Channel; IC-C30/VE-12/Page B-128



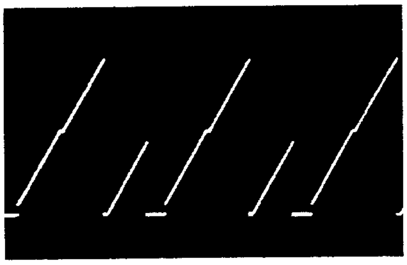
③HEAD INTERLEAVE OUTPUT DATA

Setting of Oscilloscope
20 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ········· ON
Setting of Switches/Jumpers (DVPC-1000)
Refer to page B-2.

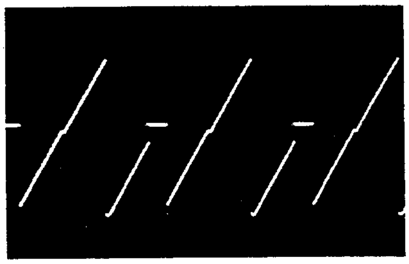
Channel-A; IC-A20/VE-12/Page B-129



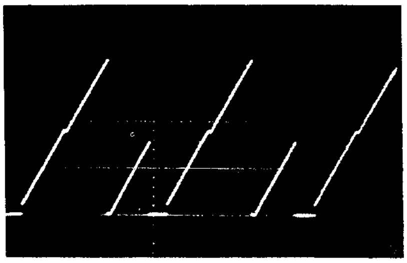
Channel-B; IC-A21/VE-12/Page B-129



Channel-C; IC-C21/VE-12/Page B-129



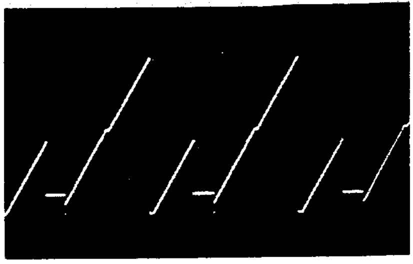
Channel-D; IC-D20/VE-12/Page B-129



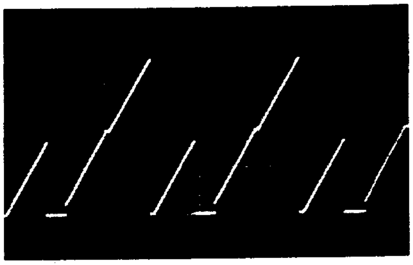
④OUTER ENCODER OUTPUT DATA

Setting of Oscilloscope
20 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ········· ON
Setting of Switches/Jumpers (DVPC-1000)
Refer to page B-2.

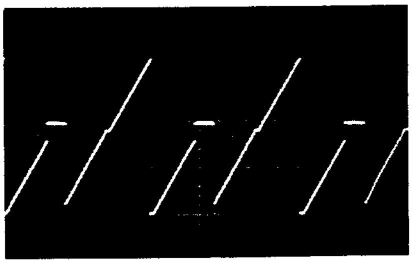
Channel-A; IC-F22/VE-12/Page B-129



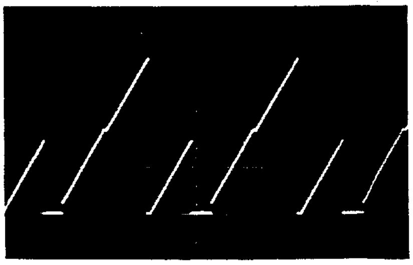
Channel-B; IC-H22/VE-12/Page B-129



Channel-C; IC-J22/VE-12/Page B-129

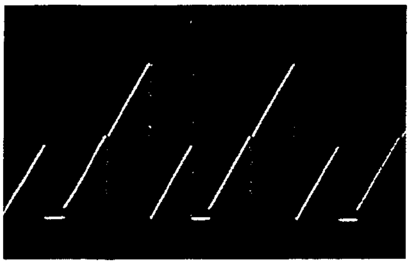


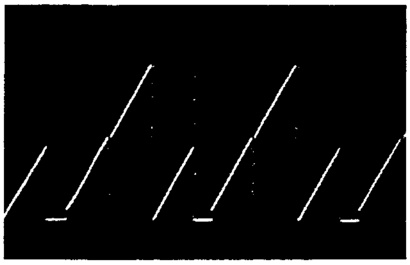
Channel-D; IC-K22/VE-12/Page B-129

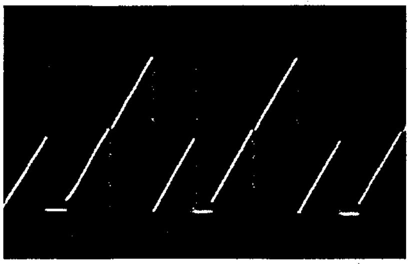


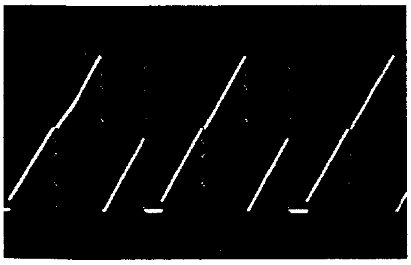
⑤OUTER ENCODER OUTPUT DATA

Setting of Oscilloscope
20 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28
Setting of ROVING DAC
S1-1/2/3 ·········· ON
S1-4 ················· OFF
Setting of Switches/Jumpers (DVPC-1000)
Refer to page B-2.


Channel-A; IC-F18/VE-12/Page B-129

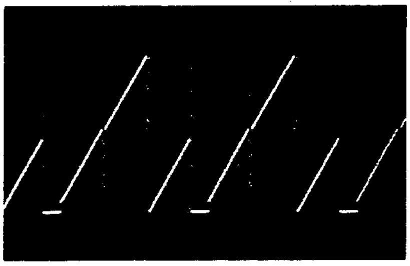

Channel-B; IC-H18/VE-12/Page B-129

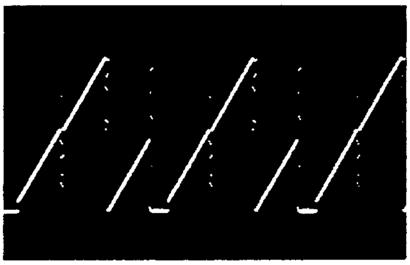

Channel-C; IC-J18/VE-12/Page B-129

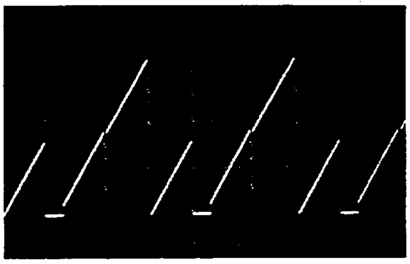

Channel-D; IC-K18/VE-12/Page B-129

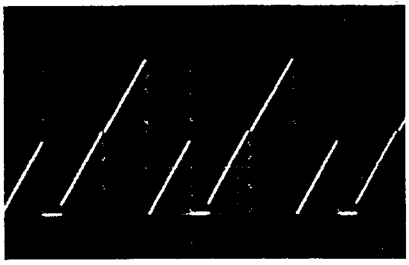
⑥BYPASS-4 OUTPUT DATA

Setting of Oscilloscope
20 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28
Setting of ROVING DAC
S1-1/2/3 ·········· ON
S1-4 ················· OFF
Setting of Switches/Jumpers (DVPC-1000)
Refer to page B-2.


Channel-A; IC-K32/VE-12/Page B-130

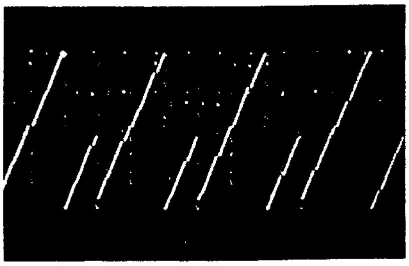

Channel-B; IC-K38/VE-12/Page B-130

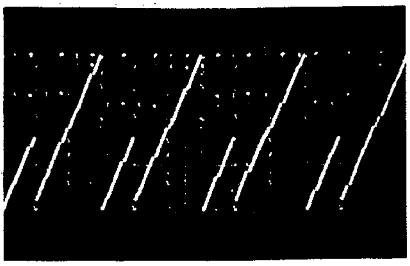

Channel-C; IC-K35/VE-12/Page B-130

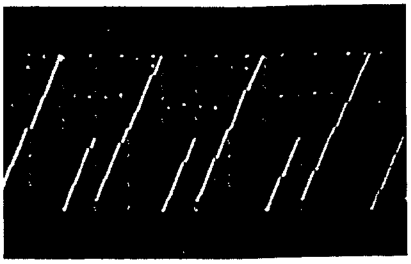

Channel-D; IC-K39/VE-12/Page B-130

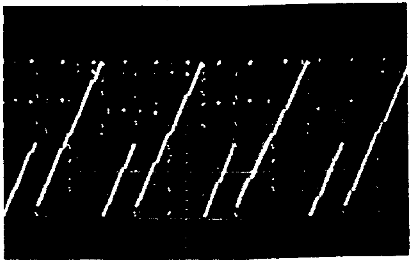
⑦SHUFFLING OUTPUT DATA

Setting of Oscilloscope
20 μsec/div, 0.2 V/div
TRIG.; TP4 (A/B-CH)TP5 (C/D-CH) /VE-12
Setting of ROVING DAC
S1-1/2/3 ·········· ON
S1-4 ················· OFF
Setting of Switches/Jumpers (DVPC-1000)
Refer to page B-2.


Channel-A; IC-J34/VE-12/Page B-146


Channel-B; IC-J35/VE-12/Page B-146

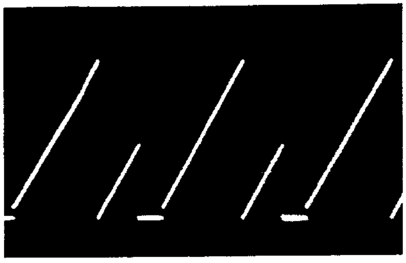

Channel-C; IC-J36/VE-12/Page B-144


Channel-D; IC-J38/VE-12/Page B-144

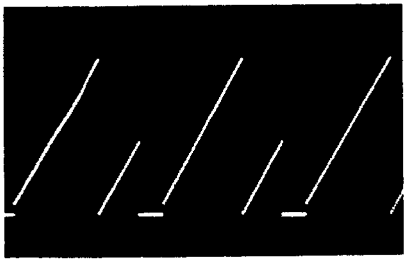
①INTERFACE DECODER OUTPUT DATA

Setting of Oscilloscope
20 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ········· ON
Setting of Switches/Jumpers (DVPC-1000)
Refer to page B-2.

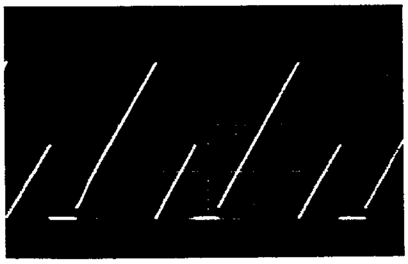
Y Channel; IC-C33/VE-12/Page B-128



R-Y Channel; IC-A31/VE-12/Page B-128



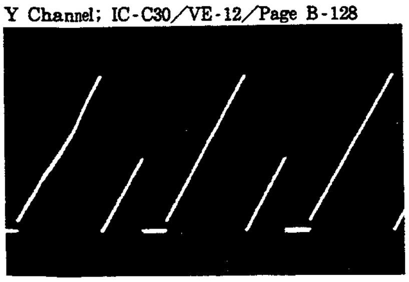
B-Y Channel; IC-B31/VE-12/Page B-128



②SOURCE MAPPING OUTPUT DATA

Setting of Oscilloscope
20 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ········· ON
Setting of Switches/Jumpers (DVPC-1000)
Refer to page B-2.

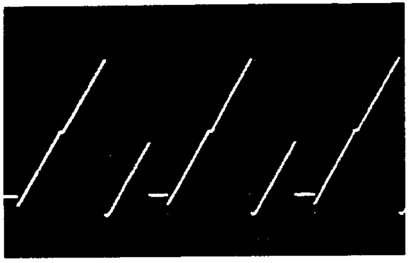
Y Channel; IC-C30/VE-12/Page B-128



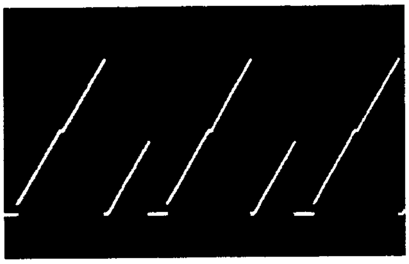
③HEAD INTERLEAVE OUTPUT DATA

Setting of Oscilloscope
20 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ········· ON
Setting of Switches/Jumpers (DVPC-1000)
Refer to page B-2.

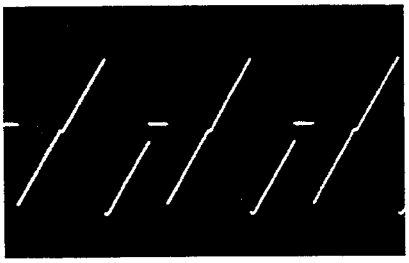
Channel-A; IC-A20/VE-12/Page B-129



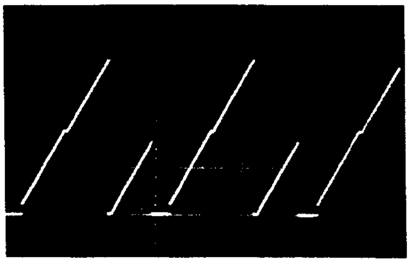
Channel-B; IC-A21/VE-12/Page B-129



Channel-C; IC-C21/VE-12/Page B-129



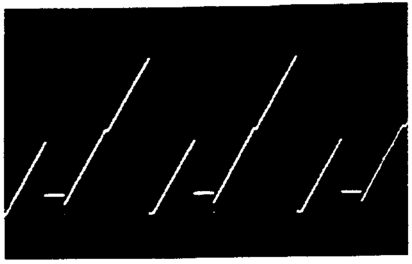
Channel-D; IC-D20/VE-12/Page B-129



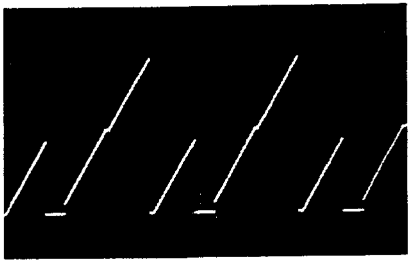
④OUTER ENCODER OUTPUT DATA

Setting of Oscilloscope
20 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ········· ON
Setting of Switches/Jumpers (DVPC-1000)
Refer to page B-2.

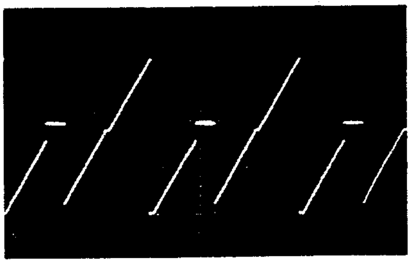
Channel-A; IC-F22/VE-12/Page B-129



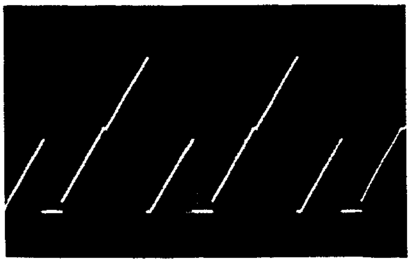
Channel-B; IC-H22/VE-12/Page B-129



Channel-C; IC-J22/VE-12/Page B-129

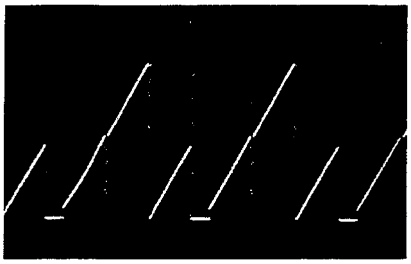


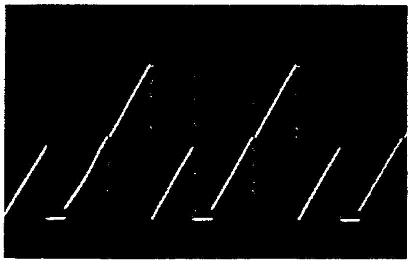
Channel-D; IC-K22/VE-12/Page B-129

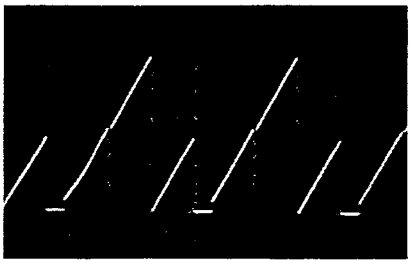


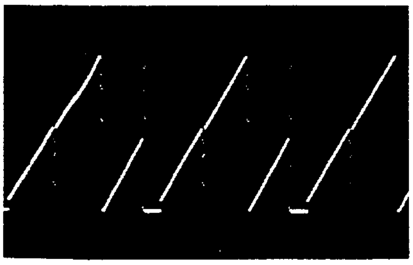
⑤OUTER ENCODER OUTPUT DATA

Setting of Oscilloscope
20 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28
Setting of ROVING DAC
S1-1/2/3 ·········· ON
S1-4 ················ OFF
Setting of Switches/Jumpers (DVPC-1000)
Refer to page B-2.


Channel-A; IC-F18/VE-12/Page B-129

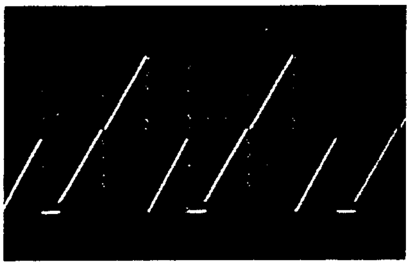

Channel-B; IC-H18/VE-12/Page B-129

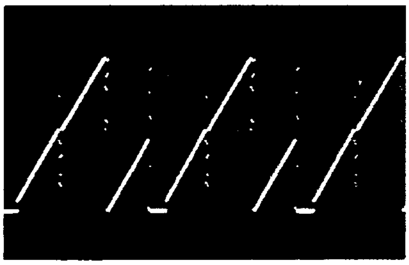

Channel-C; IC-J18/VE-12/Page B-129

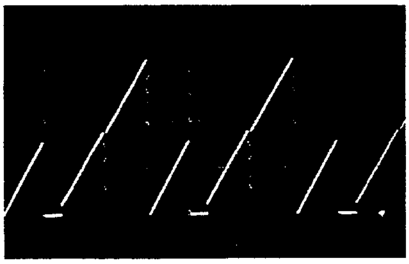

Channel-D; IC-K18/VE-12/Page B-129

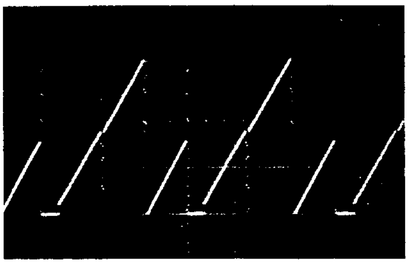
⑥BYPASS-4 OUTPUT DATA

Setting of Oscilloscope
20 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28
Setting of ROVING DAC
S1-1/2/3 ·········· ON
S1-4 ················ OFF
Setting of Switches/Jumpers (DVPC-1000)
Refer to page B-2.


Channel-A; IC-K32/VE-12/Page B-130

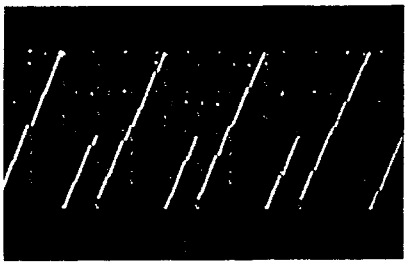

Channel-B; IC-K38/VE-12/Page B-130

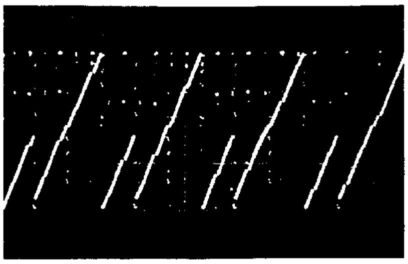

Channel-C; IC-K35/VE-12/Page B-130

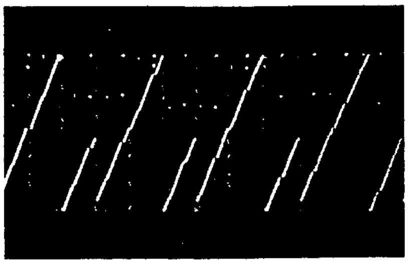

Channel-D; IC-K39/VE-12/Page B-130

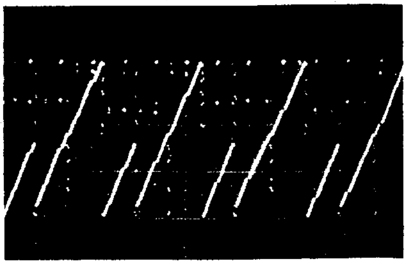
⑦SHUFFLING OUTPUT DATA

Setting of Oscilloscope
20 μsec/div, 0.2 V/div
TRIG.; TP4 (A/B-CH)TP5 (C/D-CH) /VE-12
Setting of ROVING DAC
S1-1/2/3 ·········· ON
S1-4 ················ OFF
Setting of Switches/Jumpers (DVPC-1000)
Refer to page B-2.


Channel-A; IC-J34/VE-12/Page B-146


Channel-B; IC-J35/VE-12/Page B-146

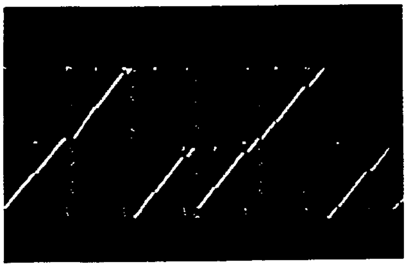

Channel-C; IC-J36/VE-12/Page B-144


Channel-D; IC-J38/VE-12/Page B-144

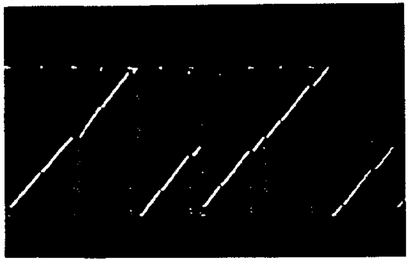
①IE-17 BOARD INPUT DATA

Setting of Oscilloscope
10 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28
Setting of ROVING DAC
S1-1/2/3 ·········· ON
S1-4 ················· OFF
Setting of Switches/Jumpers (DVPC-1000)
Refer to page B-2.

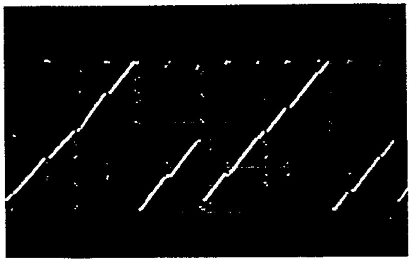
Channel-A; IC-H30/IE-17/Page B-160



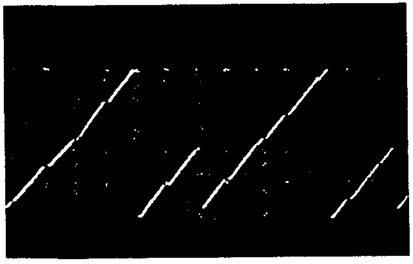
Channel-B; IC-H29/IE-17/Page B-160



Channel-C; IC-K30/IE-17/Page B-160



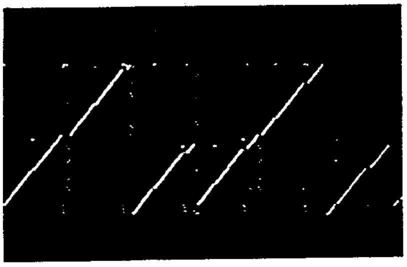
Channel-D; IC-K29/IE-17/Page B-160



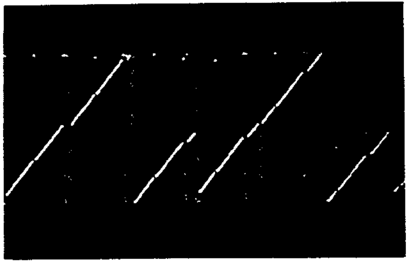
②INNER ENCODER INPUT DATA

Setting of Oscilloscope
10 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28
Setting of ROVING DAC
S1-1 ················· OFF
S1-2/3/4 ·········· ON
Setting of Switchers/Jumpers (DVPC-1000)
Refer to page B-2.

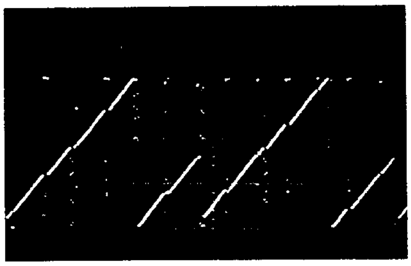
Channel-A; IC-H28/IE-17/Page B-161



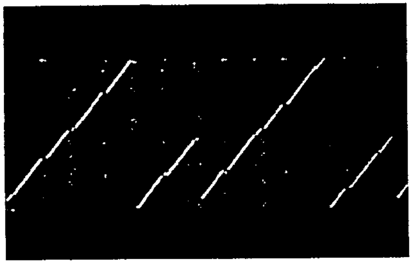
Channel-B; IC-H27/IE-17/Page B-161



Channel-C; IC-K28/IE-17/Page B-161



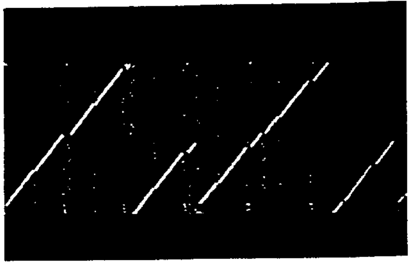
Channel-D; IC-K27/IE-17/Page B-161



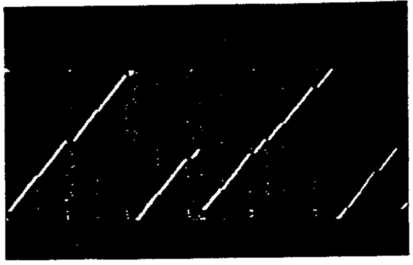
③BYPASS-3 OUTPUT DATA

Setting of Oscilloscope
10 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28
Setting of ROVING DAC
S1-1 ················· OFF
S1-2/3/4 ·········· ON
Setting of Switches/Jumpers (DVPC-1000)
S1-3/VE-12 ········ ON
S1-4/VE-12 ········ OFF
S1-5/VE-12 ········ OFF
For other settings, refer to page B-2.

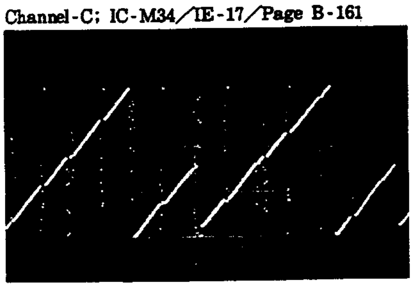
Channel-A; IC-L34/IE-17/Page B-161



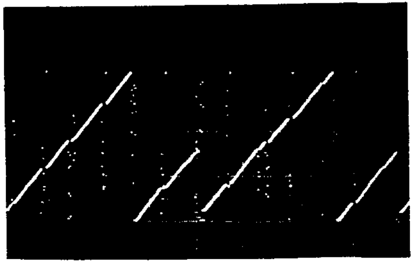
Channel-B; IC-L32/IE-17/Page B-161



Channel-C; IC-M34/IE-17/Page B-161



Channel-D; IC-M32/IE-17/Page B-161



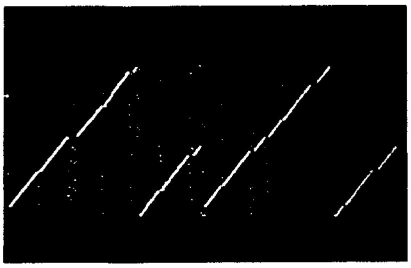
④ID ENCODER & SYNC ADD OUTPUT DATA

Setting of Oscilloscope
10 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28

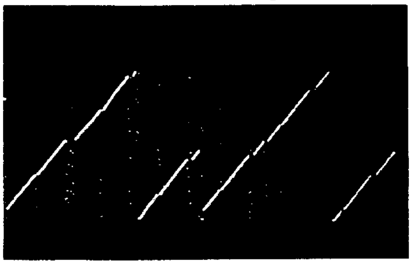
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ·········· ON

Setting of Switches/Jumpers (DVPC-1000)
Refer to page B-2.

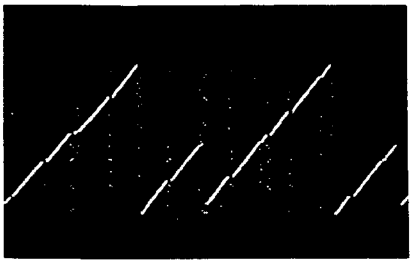
Channel-A; IC-C7/IE-17/Page B-167



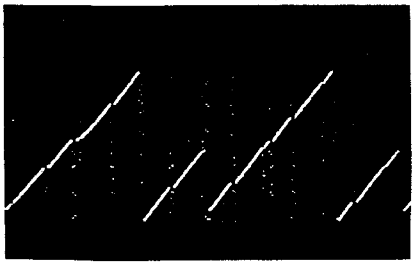
Channel-B; IC-D7/IE-17/Page B-167



Channel-C; IC-F7/IE-17/Page B-174



Channel-D; IC-G7/IE-17/Page B-174



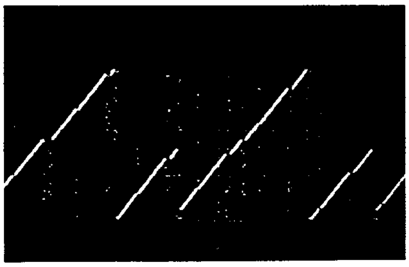
⑤SCRAMBLER OUTPUT DATA

Setting of Oscilloscope
10 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28

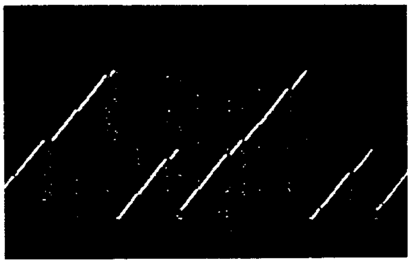
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ·········· ON

Setting of Switches/Jumpers (DVPC-1000)
Refer to page B-2.

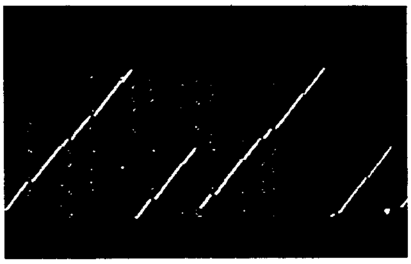
Channel-A; IC-L34/IE-17/Page B-161



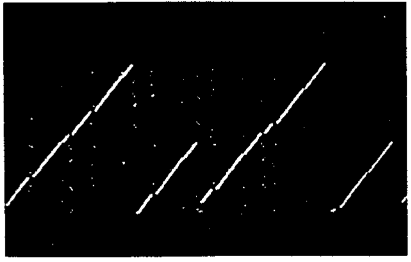
Channel-B; IC-L32/IE-17/Page B-161



Channel-C; IC-M34/IE-17/Page B-161



Channel-D; IC-M32/IE-17/Page B-161



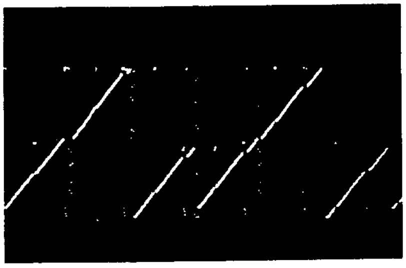
①IE-17 BOARD INPUT DATA

Setting of Oscilloscope
10 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28

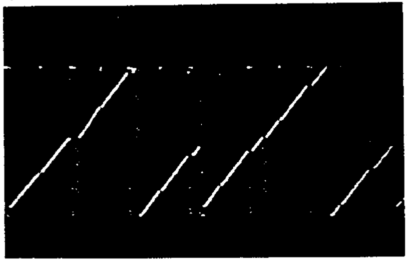
Setting of ROVING DAC
S1-1/2/3 ·········· ON
S1-4 ················ OFF

Setting of Switches/Jumpers (DVPC-1000)
Refer to page B-2.

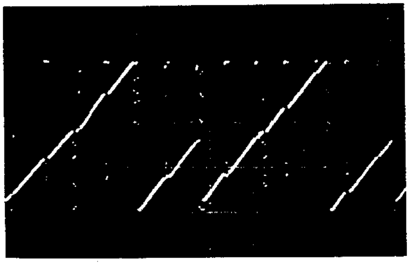
Channel-A; IC-H30/IE-17/Page B-160



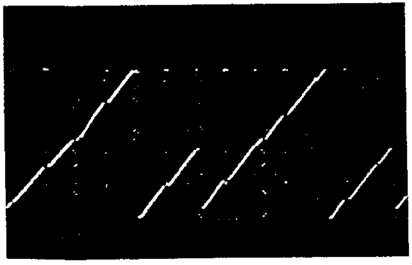
Channel-B; IC-H29/IE-17/Page B-160



Channel-C; IC-K30/IE-17/Page B-160



Channel-D; IC-K29/IE-17/Page B-160



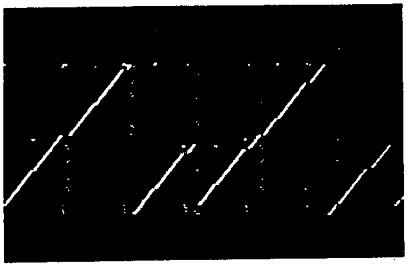
②INNER ENCODER INPUT DATA

Setting of Oscilloscope
10 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28

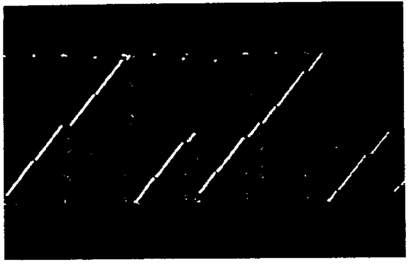
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ·········· ON

Setting of Switchers/Jumpers (DVPC-1000)
Refer to page B-2.

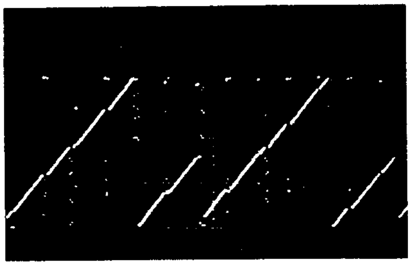
Channel-A; IC-H28/IE-17/Page B-161



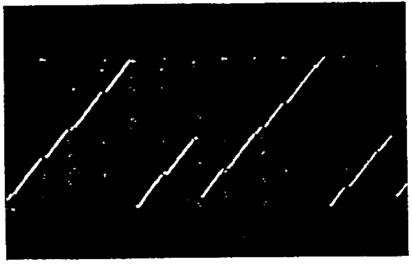
Channel-B; IC-H27/IE-17/Page B-161



Channel-C; IC-K28/IE-17/Page B-161



Channel-D; IC-K27/IE-17/Page B-161



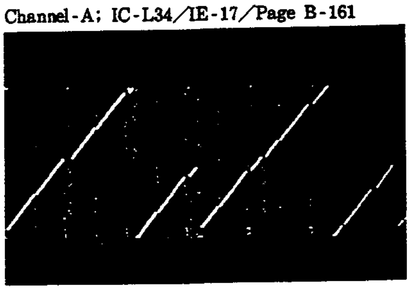
③BYPASS-3 OUTPUT DATA

Setting of Oscilloscope
10 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28

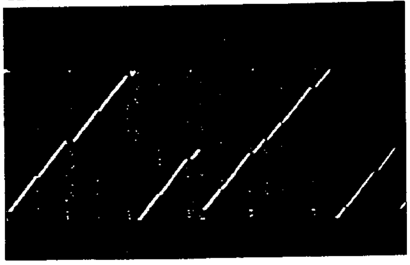
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ·········· ON

Setting of Switches/Jumpers (DVPC-1000)
S1-3/VE-12 ········ ON
S1-4/VE-12 ········ OFF
S1-5/VE-12 ········ OFF
For other settings, refer to page B-2.

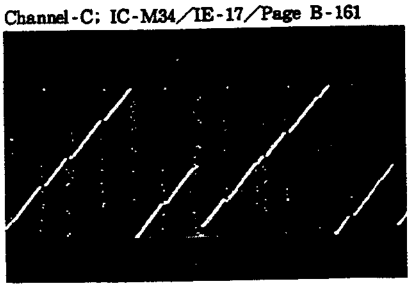
Channel-A; IC-L34/IE-17/Page B-161



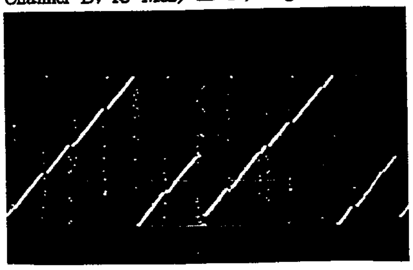
Channel-B; IC-L32/IE-17/Page B-161



Channel-C; IC-M34/IE-17/Page B-161



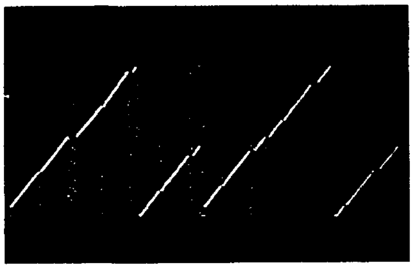
Channel-D; IC-M32/IE-17/Page B-161



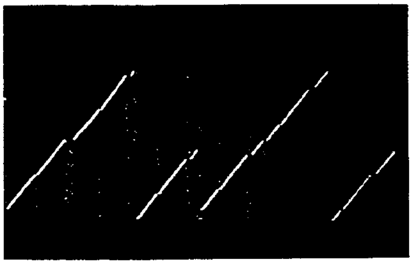
④ID ENCODER & SYNC ADD OUTPUT DATA

Setting of Oscilloscope
10 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ·········· ON
Setting of Switches/Jumpers (DVPC-1000)
Refer to page B-2.

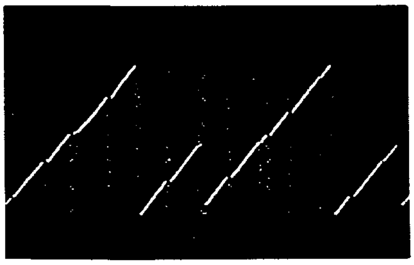
Channel-A; IC-C7/IE-17/Page B-167



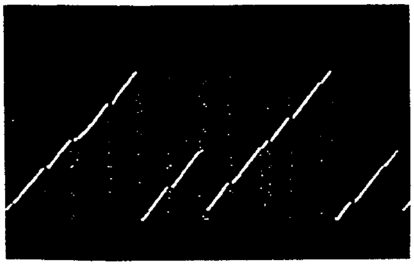
Channel-B; IC-D7/IE-17/Page B-167



Channel-C; IC-F7/IE-17/Page B-174



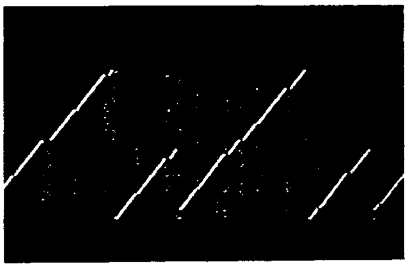
Channel-D; IC-G7/IE-17/Page B-174



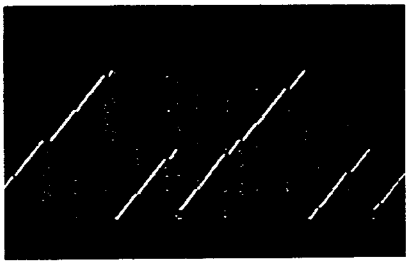
⑤SCRAMBLER OUTPUT DATA

Setting of Oscilloscope
10 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ·········· ON
Setting of Switches/Jumpers (DVPC-1000)
Refer to page B-2.

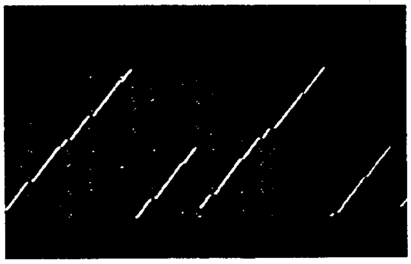
Channel-A; IC-L34/IE-17/Page B-161



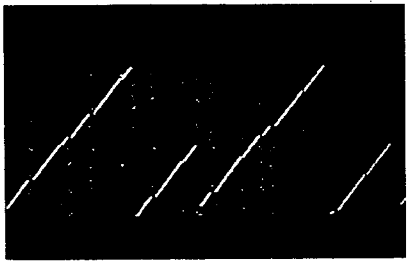
Channel-B; IC-L32/IE-17/Page B-161



Channel-C; IC-M34/IE-17/Page B-161



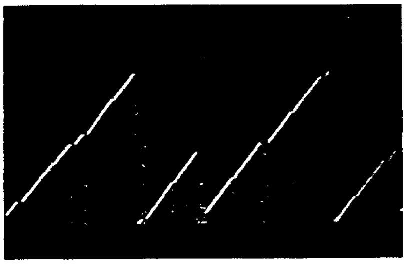
Channel-D; IC-M32/IE-17/Page B-161



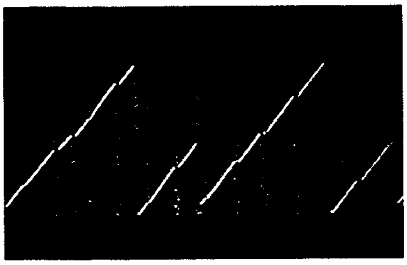
①FM-09A BOARD INPUT DATA

Setting of Oscilloscope
10 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ·········· ON
Setting of Switchers/Jumpers (DVPC-1000)
S1-4/SY-70A, B ···· ON
For other setting, refer to page B-2.

Channel-C (A); IC-F32/FM-09A (B)/
Page B-323



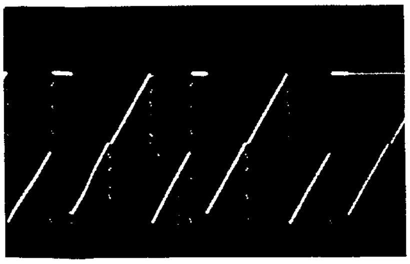
Channel-D (B); IC-F31/FM-09A (B)/
Page B-331



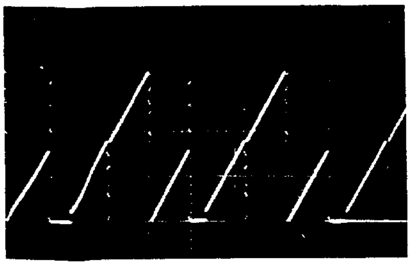
②FRAME MEMORY OUTPUT DATA

Setting of Oscilloscope
20 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ·········· ON
Setting of Switches/Jumpers (DVPC-1000)
S1-4/SY-70A, B ···· ON
For other setting, refer to page B-2.

Channel-C (A); IC-J12/FM-09A (B)/
Page B-326



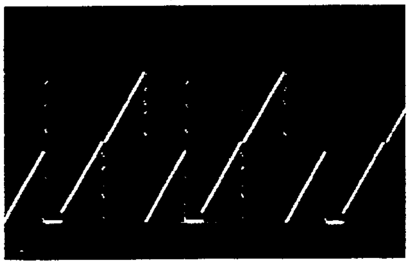
Channel-D (B); IC-J6/FM-09A (B)/
Page B-334



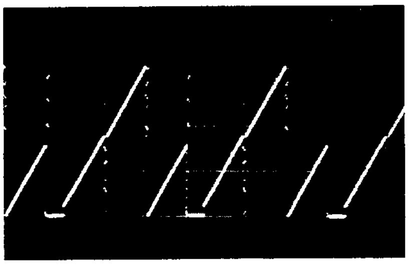
③1H DE-SHUFFLE MEMORY OUTPUT DATA

Setting of Oscilloscope
20 μsec/div, 0.2 V/div
TRIG; TP3/TG-28
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ·········· ON
Setting of Switches/Jumpers (DVPC-1000)
S1-4/SY-70A, B ···· ON
For other setting, refer to page B-2.

Channel-C (A); IC-H28/FM-09A (B)/
Page B-342



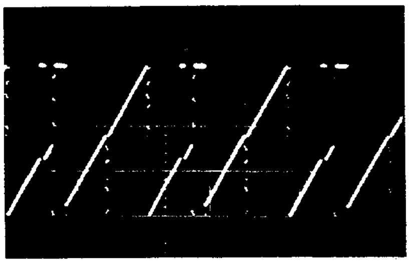
Channel-D (B); IC-J28/FM-09A (B)/
Page B-342



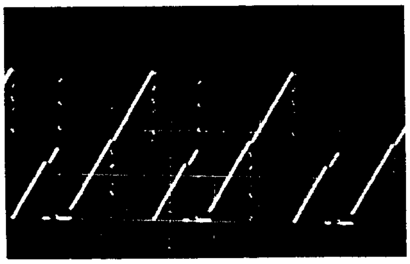
④OUTER DECODER OUTPUT DATA

Setting of Oscilloscope
20 μsec/div, 0.2 V/div
TRIG; TP3/TG-28
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ·········· ON
Setting of Switches/Jumpers (DVPC-1000)
S1-4/SY-70A, B ···· ON
For other settings, refer to page B-2.

Channel-C (A); IC-H27/FM-09A (B)/
Page B-348



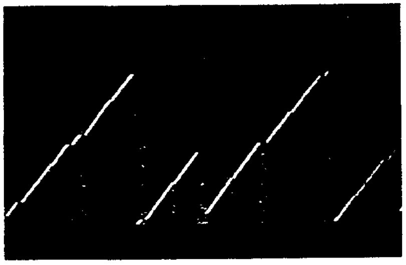
Channel-D (B); IC-H23/FM-09A (B)/
Page B-348



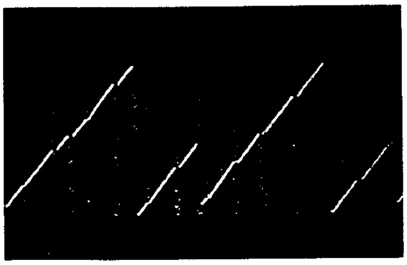
①FM-09A BOARD INPUT DATA

Setting of Oscilloscope
10 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ·········· ON
Setting of Switchers/Jumpers (DVPC-1000)
S1-4/SY-70A, B ···· ON
For other setting, refer to page B-2.

Channel-C (A); IC-F32/FM-09A (B)/
Page B-323



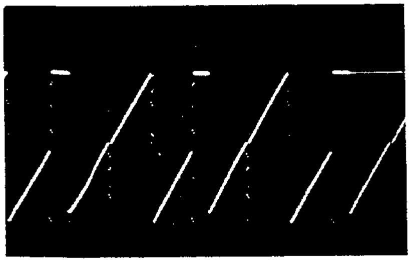
Channel-D (B); IC-F31/FM-09A (B)/
Page B-331



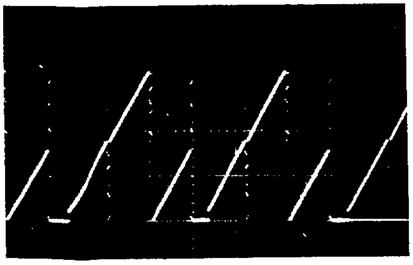
②FRAME MEMORY OUTPUT DATA

Setting of Oscilloscope
20 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ·········· ON
Setting of Switches/Jumpers (DVPC-1000)
S1-4/SY-70A, B ···· ON
For other setting, refer to page B-2.

Channel-C (A); IC-J12/FM-09A (B)/
Page B-326



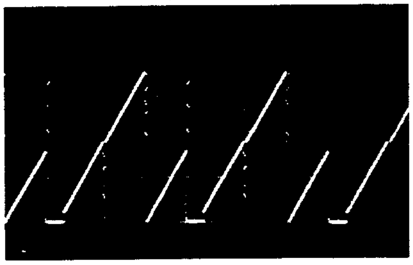
Channel-D (B); IC-J6/FM-09A (B)/
Page B-334



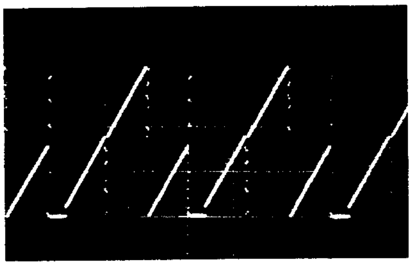
③1H DE-SHUFFLE MEMORY OUTPUT DATA

Setting of Oscilloscope
20 μsec/div, 0.2 V/div
TRIG; TP3/TG-28
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ·········· ON
Setting of Switches/Jumpers (DVPC-1000)
S1-4/SY-70A, B ···· ON
For other setting, refer to page B-2.

Channel-C (A); IC-H28/FM-09A (B)/
Page B-342



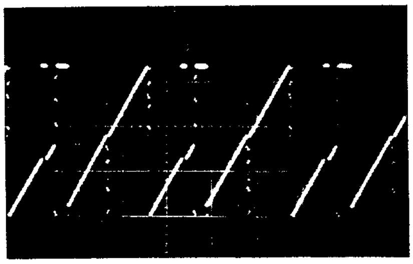
Channel-D (B); IC-J28/FM-09A (B)/
Page B-342



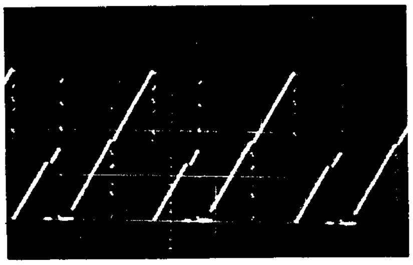
④OUTER DECODER OUTPUT DATA

Setting of Oscilloscope
20 μsec/div, 0.2 V/div
TRIG; TP3/TG-28
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ·········· ON
Setting of Switches/Jumpers (DVPC-1000)
S1-4/SY-70A, B ···· ON
For other settings, refer to page B-2.

Channel-C (A); IC-H27/FM-09A (B)/
Page B-348



Channel-D (B); IC-H23/FM-09A (B)/
Page B-348



①CI-01 BOARD INPUT DATA

Setting of Oscilloscope

10 μsec/div, 0.2 V/div

TRIG.; TP3/TG-28

Setting of ROVING DAC

S1-1 ················ OFF

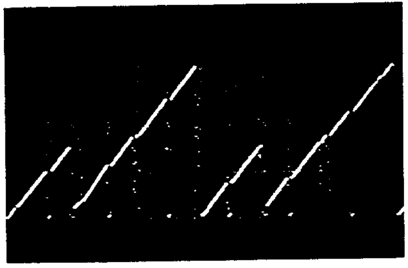
S1-2/3/4 ·········· ON

Setting of Switches/Jumpers (DVPC-1000)

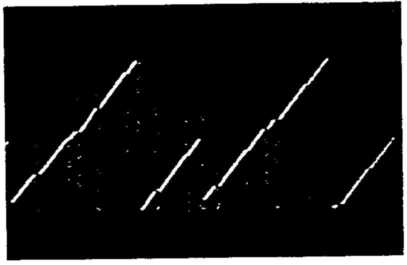
S1-4/SY-70A, B ···· ON

For other setting, refer to page B-2.

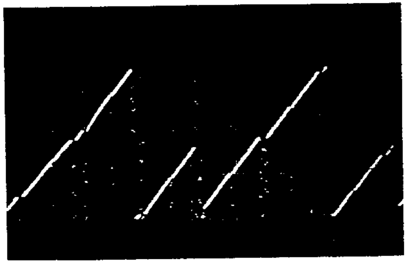
Channel-A; IC-L35/CI-01/Page B-362



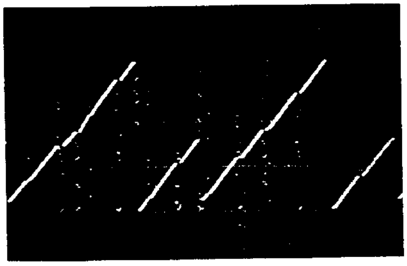
Channel-B; IC-L26/CI-01/Page B-363



Channel-C; IC-L17/CI-01/Page B-370



Channel-D; IC-L8/CI-01/Page B-371



②INNER DECODER INPUT DATA

Setting of Oscilloscope

10 μsec/div, 0.2 V/div

TRIG.; TP3/TG-28

Setting of ROVING DAC

S1-1 ················ OFF

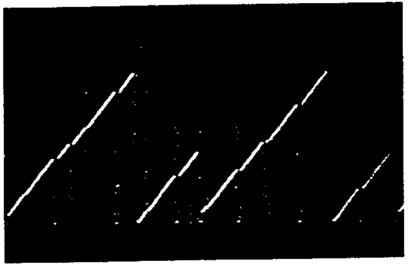
S1-2/3/4 ·········· ON

Setting of Switches/Jumpers (DVPC-1000)

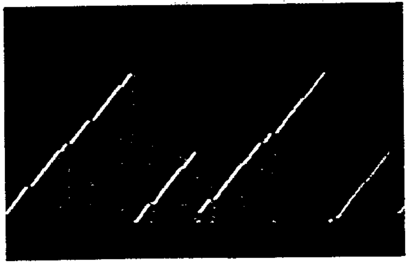
S1-4/SY-70A, B ···· ON

For other setting, refer to page B-2.

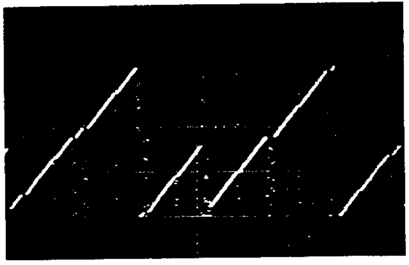
Channel-A; IC-J31/CI-01/Page B-362



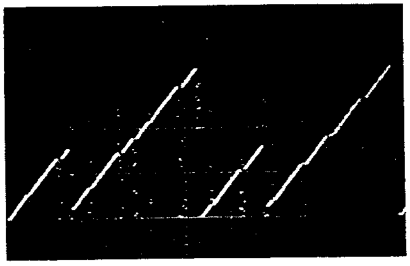
Channel-B; IC-J22/CI-01/Page B-364



Channel-C; IC-J13/CI-01/Page B-370



Channel-D; IC-J4/CI-01/Page B-372



③CI-01 BOARD OUTPUT DATA

Setting of Oscilloscope

10 μsec/div, 0.2 V/div

TRIG.; TP3/TG-28

Setting of ROVING DAC

S1-1 ················ OFF

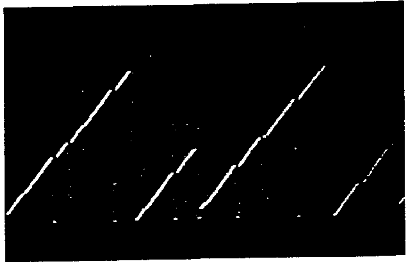
S1-2/3/4 ·········· ON

Setting of Switshes/Jumpers (DVPC-1000)

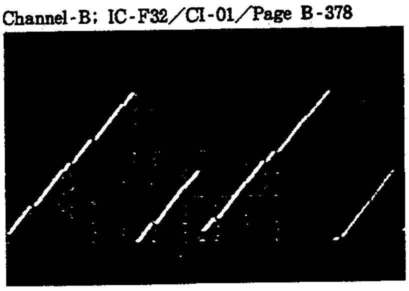
S1-4/SY-70A, B ···· ON

For other setting, refer to page B-2.

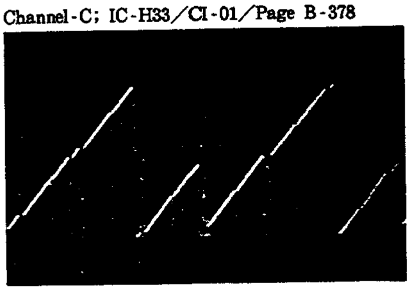
Channel-A; IC-F33/CI-01/Page B-378



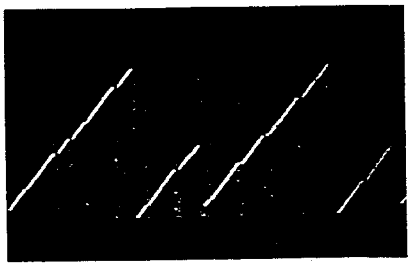
Channel-B; IC-F32/CI-01/Page B-378



Channel-C; IC-H33/CI-01/Page B-378



Channel-D; IC-H32/CI-01/Page B-378



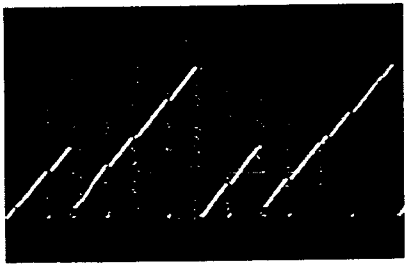
①CI-01 BOARD INPUT DATA

Setting of Oscilloscope
10 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28

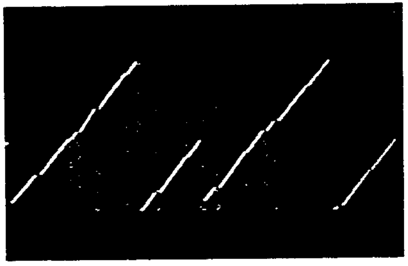
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ·········· ON

Setting of Switches/Jumpers (DVPC-1000)
S1-4/SY-70A, B ···· ON
For other setting, refer to page B-2.

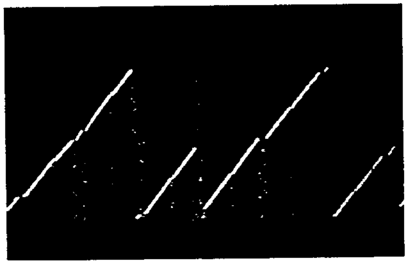
Channel-A; IC-L35/CI-01/Page B-362



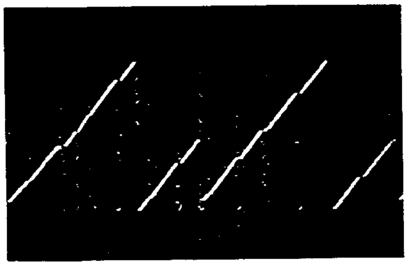
Channel-B; IC-L26/CI-01/Page B-363



Channel-C; IC-L17/CI-01/Page B-370



Channel-D; IC-L8/CI-01/Page B-371



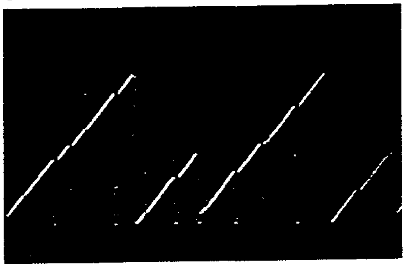
②INNER DECODER INPUT DATA

Setting of Oscilloscope
10 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28

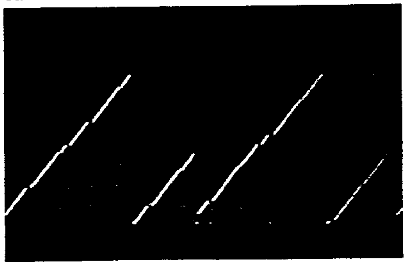
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ·········· ON

Setting of Switches/Jumpers (DVPC-1000)
S1-4/SY-70A, B ···· ON
For other setting, refer to page B-2.

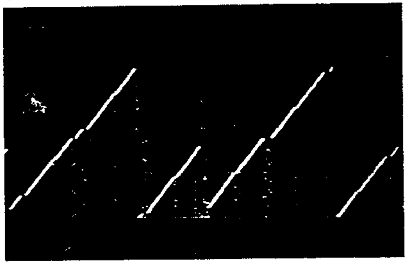
Channel-A; IC-J31/CI-01/Page B-362



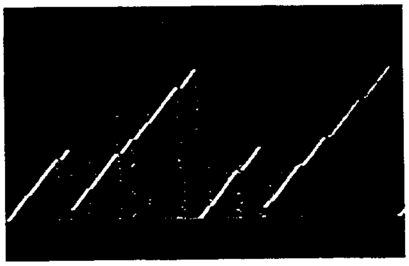
Channel-B; IC-J22/CI-01/Page B-364



Channel-C; IC-J13/CI-01/Page B-370



Channel-D; IC-J4/CI-01/Page B-372



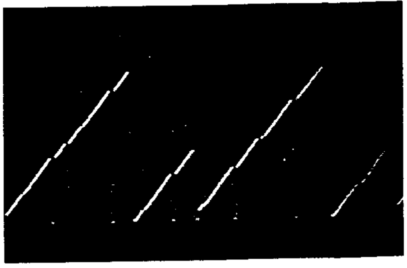
③CI-01 BOARD OUTPUT DATA

Setting of Oscilloscope
10 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28

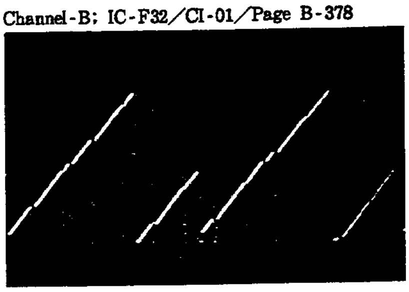
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ·········· ON

Setting of Switshes/Jumpers (DVPC-1000)
S1-4/SY-70A, B ···· ON
For other setting, refer to page B-2.

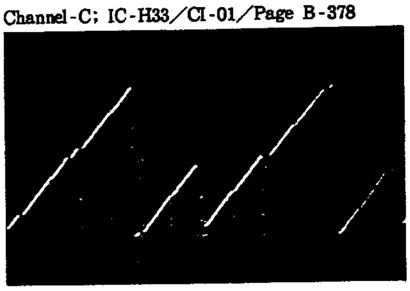
Channel-A; IC-F33/CI-01/Page B-378



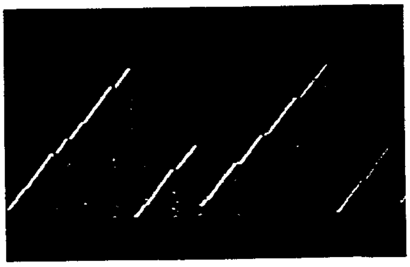
Channel-B; IC-F32/CI-01/Page B-378



Channel-C; IC-H33/CI-01/Page B-378



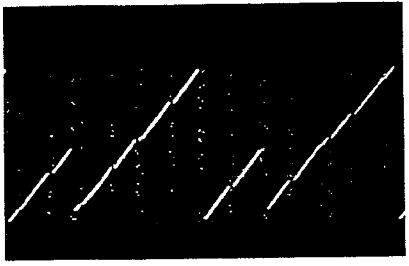
Channel-D; IC-H32/CI-01/Page B-378



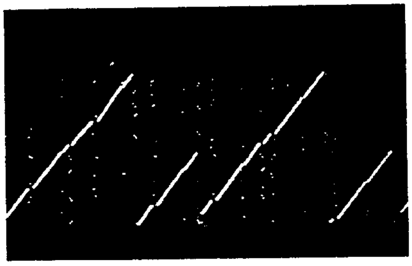
①SY-70A BYPASS-2 INPUT DATA

Setting of Oscilloscope
10 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28
Setting of ROVING DAC
S1-1/3/4 ·········· ON
S1-2 ················ OFF
Setting of Switches/Jumpers (DVPC-1000)
S1-4/SY-70A, B ···· ON
For other setting, refer to page B-2.

Channel-C (A); IC-D21/SY-70A (B)/
Page B-409



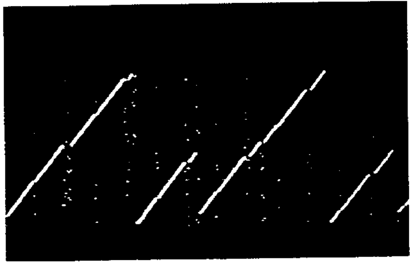
Channel-D (B); IC-J21/SY-70A (B)/
Page B-409



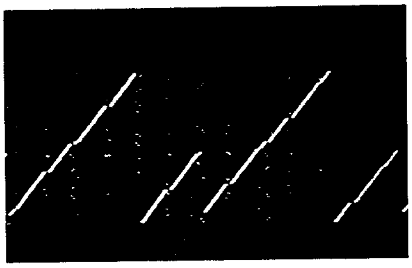
②TBC OUTPUT DATA

Setting of Oscilloscope
10 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28
Setting of ROVING DAC
S1-1/3/4 ·········· ON
S1-2 ················ OFF
Setting of Switches/Jumpers (DVPC-1000)
S1-4/SY-70A, B ···· ON
For other setting, refer to page B-2.

Channel-C (A); IC-D14/SY-70A (B)/
Page B-413



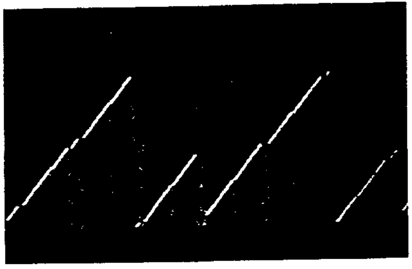
Channel-D (B); IC-J14/SY-70A (B)/
Page B-421



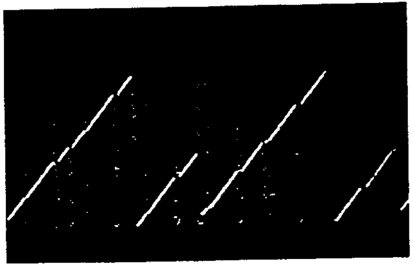
③SY-70A BOARD OUTPUT DATA

Setting of Oscilloscope
10 μsec/div, 0.2 V/div
TRIG.; TP3/TG-28
Setting of ROVING DAC
S1-1 ················ OFF
S1-2/3/4 ·········· ON
Setting of Switches/Jumpers (DVPC-1000)
S1-4/SY-70A, B ···· ON
For other setting, refer to page B-2.

Channel-C (A); IC-C7/SY-70A (B)/
Page B-416



Channel-D (B); IC-H7/SY-70A (B)/
Page B-424



①SY-70A BYPASS-2 INPUT DATA

Setting of Oscilloscope

10 μsec/div, 0.2 V/div

TRIG.; TP3/TG-28

Setting of ROVING DAC

S1-1/3/4 ·········· ON

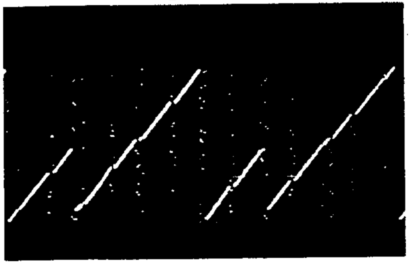
S1-2 ················ OFF

Setting of Switches/Jumpers (DVPC-1000)

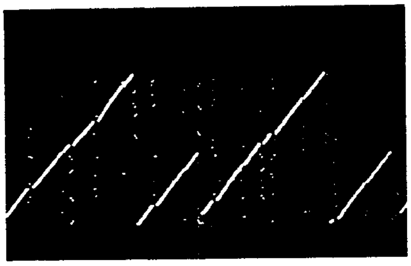
S1-4/SY-70A, B···· ON

For other setting, refer to page B-2.

Channel-C (A); IC-D21/SY-70A (B)/ Page B-409



Channel-D (B); IC-J21/SY-70A (B)/ Page B-409



②TBC OUTPUT DATA

Setting of Oscilloscope

10 μsec/div, 0.2 V/div

TRIG.; TP3/TG-28

Setting of ROVING DAC

S1-1/3/4 ·········· ON

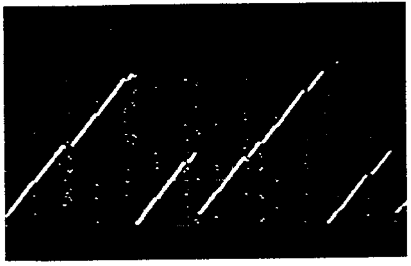
S1-2 ················ OFF

Setting of Switches/Jumpers (DVPC-1000)

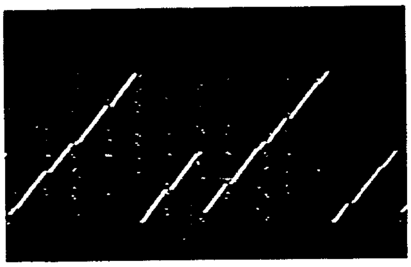
S1-4/SY-70A, B···· ON

For other setting, refer to page B-2.

Channel-C (A); IC-D14/SY-70A (B)/ Page B-413



Channel-D (B); IC-J14/SY-70A (B)/ Page B-421



③SY-70A BOARD OUTPUT DATA

Setting of Oscilloscope

10 μsec/div, 0.2 V/div

TRIG.; TP3/TG-28

Setting of ROVING DAC

S1-1 ················ OFF

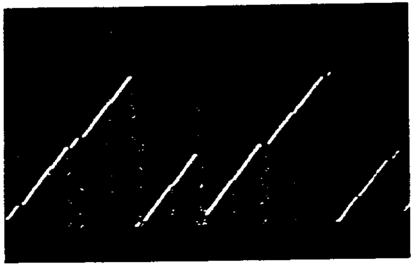
S1-2/3/4 ·········· ON

Setting of Switches/Jumpers (DVPC-1000)

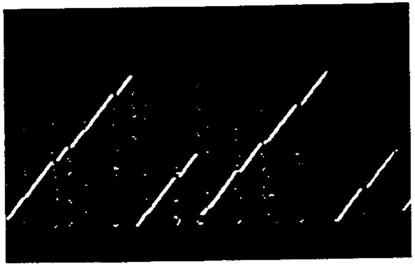
S1-4/SY-70A, B···· ON

For other setting, refer to page B-2.

Channel-C (A); IC-C7/SY-70A (B)/ Page B-416



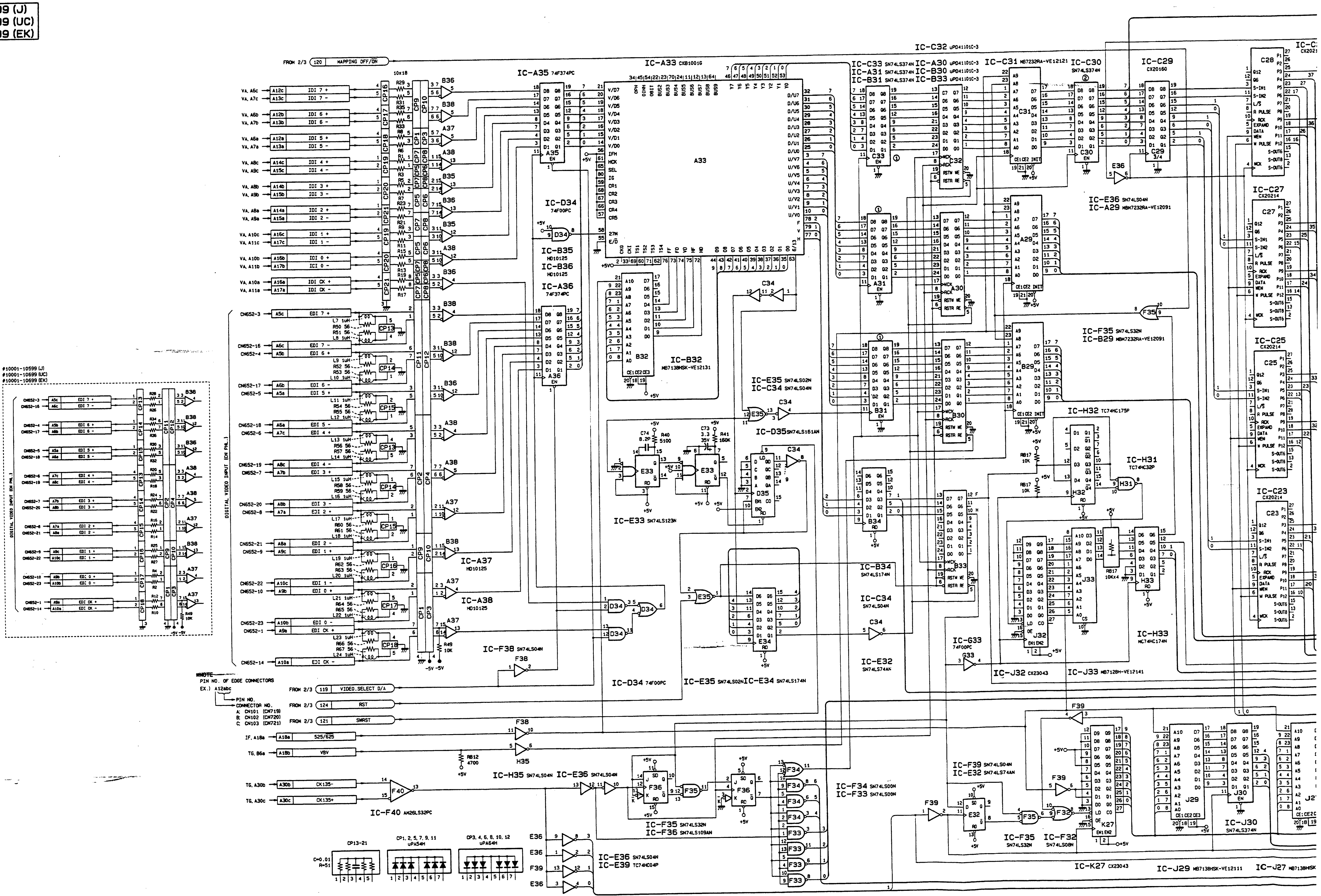
Channel-D (B); IC-H7/SY-70A (B)/ Page B-424

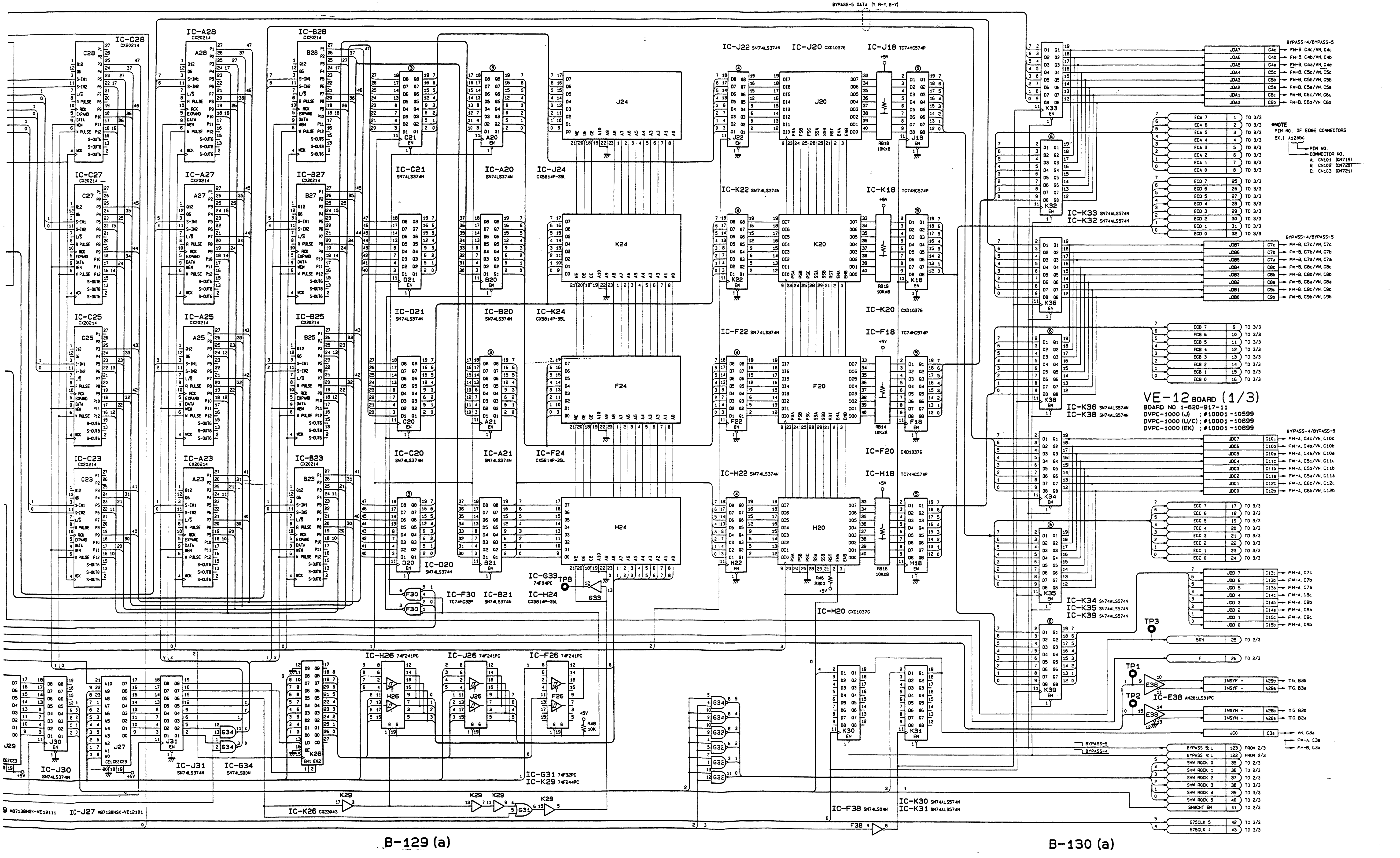


VE-12 BOARD (1/3)

Video Outer Encoder

#10001 TO 10599 (J)
#10001 TO 10899 (UC)
#10001 TO 10899 (EK)


IC-A35 74F374PC
IC-A33 CXB1001G
IC-D34 74F00PC
IC-B35 HD10125
IC-B36 HD10125
IC-A36 74F374PC
IC-B32 MB7138HSK-VE12131
IC-E35 SN74LS02N
IC-C34 SN74LS04N
IC-D35 SN74LS161AN
IC-E33 SN74LS123N
IC-A37 HD10125
IC-A38 HD10125
IC-F38 SN74LS04N
IC-D34 74F00PC
IC-E35 SN74LS02N IC-E34 SN74LS174N
IC-C33 SN74LS374N
IC-A31 SN74LS374N
IC-B31 SN74LS374N
IC-C32 uPD41101C-3
IC-A30 uPD41101C-3
IC-B30 uPD41101C-3
IC-B33 uPD41101C-3
IC-C31 MB7232RA-VE12121
IC-C30 SN74LS374N
IC-C29 CX20160
IC-E36 SN74LS04N
IC-A29 MB7232RA-VE12091
IC-F35 SN74LS32N
IC-B29 MB7232RA-VE12091
IC-H32 TC74HC175P
IC-H31 TC74HC32P
IC-B34 SN74LS174N
IC-C34 SN74LS04N
IC-E32 SN74LS74AN
IC-G33 74F00PC
IC-J32 CX23043
IC-J33 MB7128H-VE12141
IC-H33 MC74HC174N
IC-C28
IC-C27 CX20214
IC-C25 CX20214
IC-C23 CX20214
IC-F40 AM26LS32PC
IC-H35 SN74LS04N IC-E36 SN74LS04N
IC-F35 SN74LS32N
IC-F36 SN74LS109AN
IC-F34 SN74LS00N
IC-F33 SN74LS00N
IC-E36 SN74LS04N
IC-E39 TC74HC04P
IC-F39 SN74LS04N
IC-E32 SN74LS74AN
IC-F35 SN74LS32N
IC-F32 SN74LS08N
IC-K27 CX23043
IC-J29 MB7138HSK-VE12111
IC-J30 SN74LS374N
IC-J27
FROM 2/3 120 MAPPING OFF/ON
FROM 2/3 119 VIDEO.SELECT D/A
FROM 2/3 124 RST
FROM 2/3 121 SMRST
IF, A18a 525/625
TG, B6a VBV
TG, A30b CK135-
TG, A30c CK135+
DIGITAL VIDEO INPUT (CH PAL.)
#10001-10599 (J)
#10001-10699 (UC)
#10001-10699 (EK)
NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN719)
B: CN102 (CN720)
C: CN103 (CN721)
CP13-21
C=0.01
R=51
CP1, 2, 5, 7, 9, 11
uPA54H
CP3, 4, 6, 8, 10, 12
uPA64H

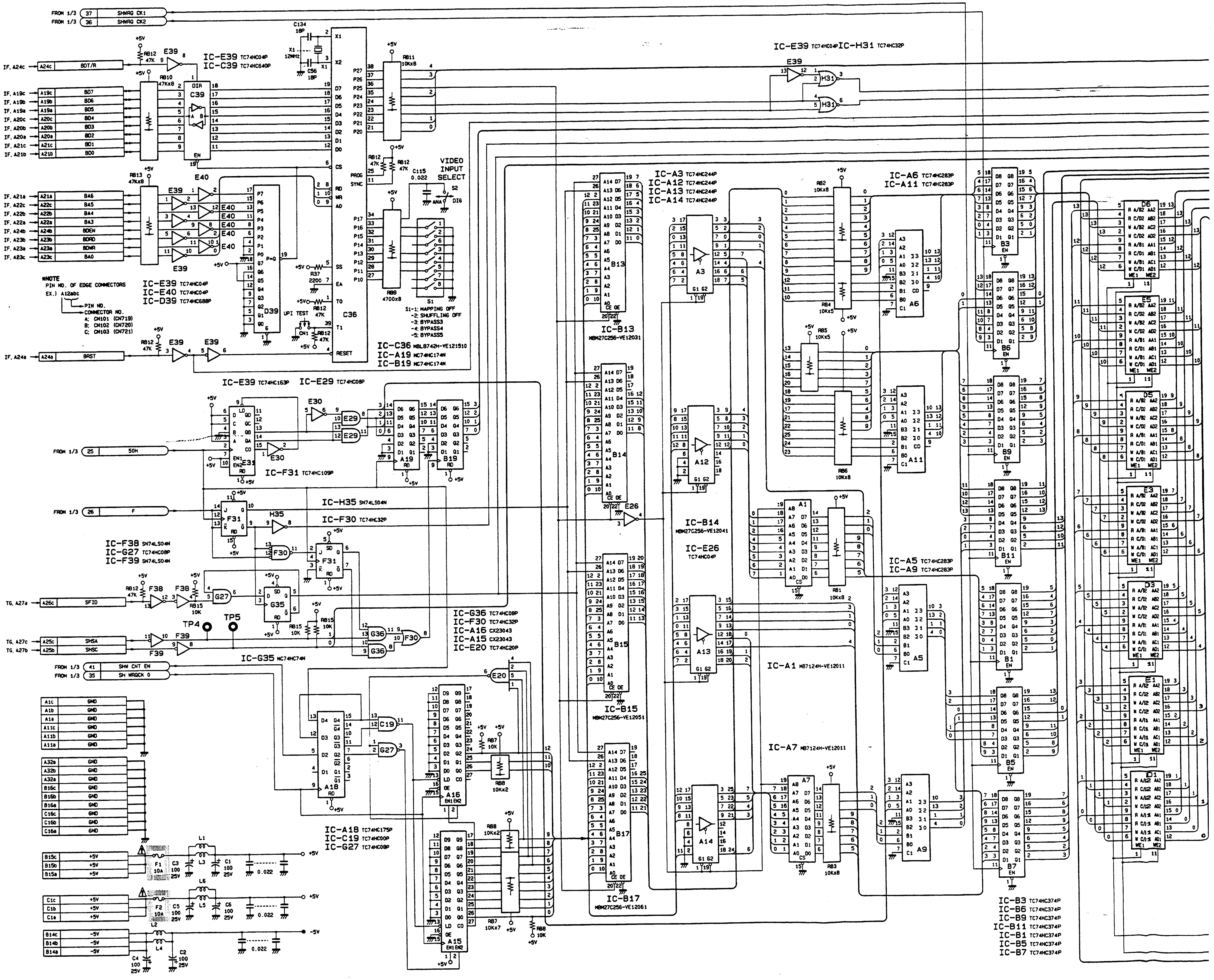

BYPASS-5 DATA (Y, R-Y, B-Y)
IC-C28 CX20214
IC-A28 CX20214
IC-B28 CX20214
IC-C27 CX20214
IC-A27 CX20214
IC-B27 CX20214
IC-C25 CX20214
IC-A25 CX20214
IC-B25 CX20214
IC-C23 CX20214
IC-A23 CX20214
IC-B23 CX20214
IC-C21 SN74LS374N
IC-A20 SN74LS374N
IC-J24 CX5814P-35L
IC-D21 SN74LS374N
IC-B20 SN74LS374N
IC-K24 CX5814P-35L
IC-C20 SN74LS374N
IC-A21 SN74LS374N
IC-F24 CX5814P-35L
IC-D20 SN74LS374N
IC-F30 TC74HC32P
IC-B21 SN74LS374N
IC-H24 CX5814P-35L
IC-G33 74F04PC
TP8
G33
IC-J22 SN74LS374N
IC-J20 CXD1037G
IC-J18 TC74HC574P
IC-K22 SN74LS374N
IC-K18 TC74HC574P
IC-K20 CXD1037G
IC-F22 SN74LS374N
IC-F18 TC74HC574P
IC-F20 CXD1037G
IC-H22 SN74LS374N
IC-H18 TC74HC574P
IC-H20 CXD1037G
RB18 10K×8
RB19 10K×8
RB14 10K×8
RB16 10K×8
R46 2200
+5V
IC-K33 SN74ALS574N
IC-K32 SN74ALS574N
IC-K36 SN74ALS574N
IC-K38 SN74ALS574N
IC-K34 SN74ALS574N
IC-K35 SN74ALS574N
IC-K39 SN74ALS574N
IC-J30 SN74LS374N
IC-J27 MB7138HSK-VE12101
IC-J31 SN74LS374N
IC-G34 SN74LS00N
J29 MB7138HSK-VE12111
IC-H26 74F241PC
IC-J26 74F241PC
IC-F26 74F241PC
R48 10K
IC-G31 74F32PC
IC-K29 74F244PC
IC-K26 CX23043
IC-F38 SN74LS04N
IC-K30 SN74ALS574N
IC-K31 SN74ALS574N
TP3
TP1
TP2
IC-E38 AM26LS31PC
BYPASS-4/BYPASS-5
JDA7 C4c FM-B, C4c/VN, C4c
JDA6 C4b FM-B, C4b/VN, C4b
JDA5 C4a FM-B, C4a/VN, C4a
JDA4 C5c FM-B, C5c/VN, C5c
JDA3 C5b FM-B, C5b/VN, C5b
JDA2 C5a FM-B, C5a/VN, C5a
JDA1 C6c FM-B, C6c/VN, C6c
JDA0 C6b FM-B, C6b/VN, C6b
ECA 7 1 TO 3/3
ECA 6 2 TO 3/3
ECA 5 3 TO 3/3
ECA 4 4 TO 3/3
ECA 3 5 TO 3/3
ECA 2 6 TO 3/3
ECA 1 7 TO 3/3
ECA 0 8 TO 3/3
ECD 7 25 TO 3/3
ECD 6 26 TO 3/3
ECD 5 27 TO 3/3
ECD 4 28 TO 3/3
ECD 3 29 TO 3/3
ECD 2 30 TO 3/3
ECD 1 31 TO 3/3
ECD 0 32 TO 3/3
JDB7 C7c FM-B, C7c/VN, C7c
JDB6 C7b FM-B, C7b/VN, C7b
JDB5 C7a FM-B, C7a/VN, C7a
JDB4 C8c FM-B, C8c/VN, C8c
JDB3 C8b FM-B, C8b/VN, C8b
JDB2 C8a FM-B, C8a/VN, C8a
JDB1 C9c FM-B, C9c/VN, C9c
JDB0 C9b FM-B, C9b/VN, C9b
ECB 7 9 TO 3/3
ECB 6 10 TO 3/3
ECB 5 11 TO 3/3
ECB 4 12 TO 3/3
ECB 3 13 TO 3/3
ECB 2 14 TO 3/3
ECB 1 15 TO 3/3
ECB 0 16 TO 3/3
JDC7 C10c FM-A, C4c/VN, C10c
JDC6 C10b FM-A, C4b/VN, C10b
JDC5 C10a FM-A, C4a/VN, C10a
JDC4 C11c FM-A, C5c/VN, C11c
JDC3 C11b FM-A, C5b/VN, C11b
JDC2 C11a FM-A, C5a/VN, C11a
JDC1 C12c FM-A, C6c/VN, C12c
JDC0 C12b FM-A, C6b/VN, C12b
ECC 7 17 TO 3/3
ECC 6 18 TO 3/3
ECC 5 19 TO 3/3
ECC 4 20 TO 3/3
ECC 3 21 TO 3/3
ECC 2 22 TO 3/3
ECC 1 23 TO 3/3
ECC 0 24 TO 3/3
JDD 7 C13c FM-A, C7c
JDD 6 C13b FM-A, C7b
JDD 5 C13a FM-A, C7a
JDD 4 C14c FM-A, C8c
JDD 3 C14b FM-A, C8b
JDD 2 C14a FM-A, C8a
JDD 1 C15c FM-A, C9c
JDD 0 C15b FM-A, C9b
50H 25 TO 2/3
F 26 TO 2/3
INSYF + A29b TG, B3b
INSYF - A29a TG, B3a
INSYH + A28b TG, B2b
INSYH - A28a TG, B2a
JC0 C3a VN, C3a FM-A, C3a FM-B, C3a
BYPASS-5
BYPASS-4
BYPASS 5; L 123 FROM 2/3
BYPASS 4; L 122 FROM 2/3
SHW ROCK 0 35 TO 2/3
SHW ROCK 1 36 TO 2/3
SHW ROCK 2 37 TO 2/3
SHW ROCK 3 38 TO 3/3
SHW ROCK 4 39 TO 3/3
SHW ROCK 5 40 TO 2/3
SHWCNT EN 41 TO 2/3
675CLK 5 42 TO 3/3
675CLK 4 43 TO 3/3
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN719)
B: CN102 (CN720)
C: CN103 (CN721)
B-129 (a)
B-130 (a)

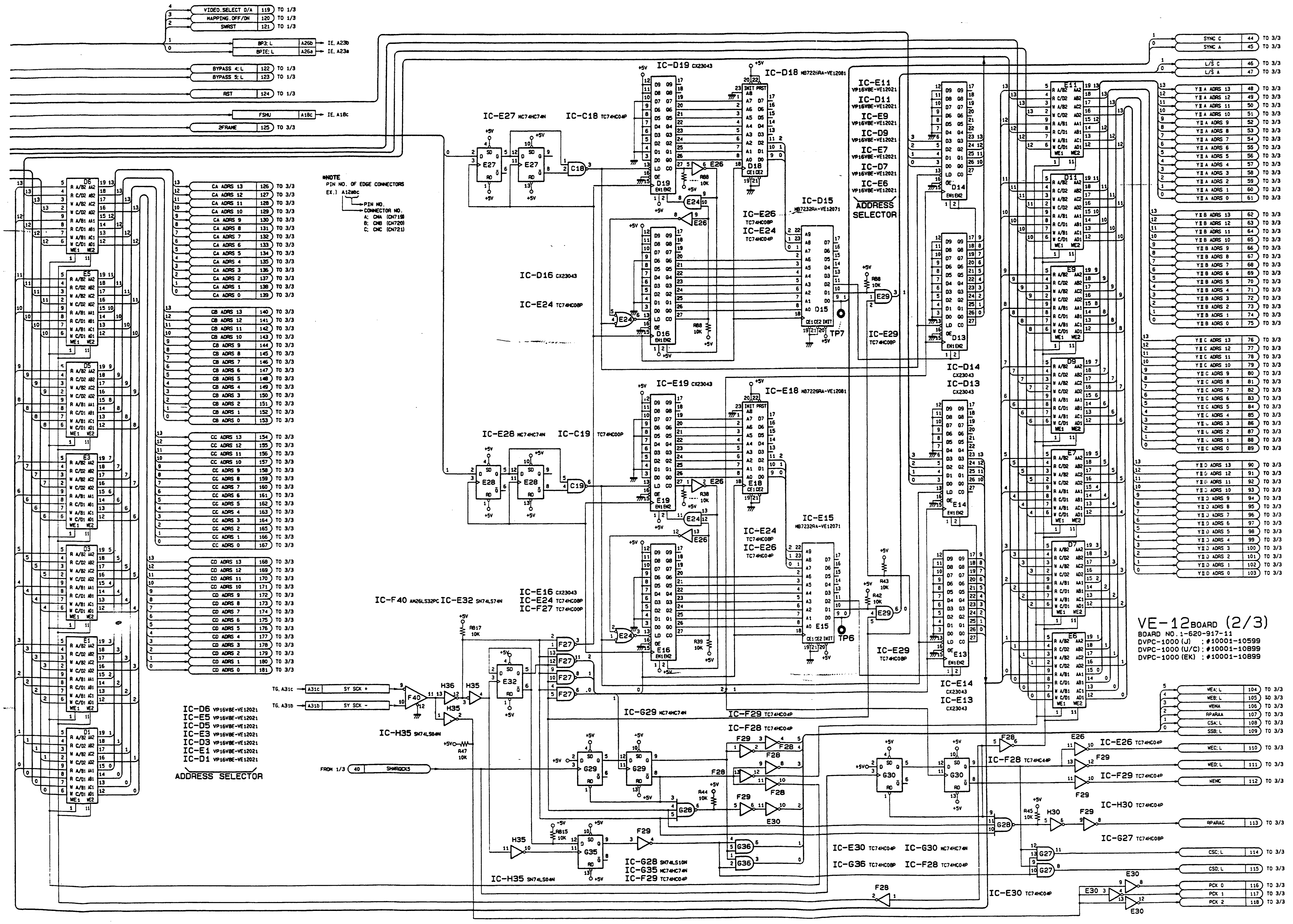
VE-12 BOARD **(1/3)**
BOARD NO.1-620-917-11
DVPC-1000 (J) : #10001-10599
DVPC-1000 (U/C) : #10001-10899
DVPC-1000 (EK) : #10001-10899

VE-12 BOARD (2/3)

Video Outer Encoder

#10001 TO 10599 (J)
#10001 TO 10899 (UC)
#10001 TO 10899 (EK)


FROM 1/3 37 SHWRQ CK1
FROM 1/3 36 SHWRQ CK2
IF, A24c A24c BDT/R
IF, A19c A19c BD7
IF, A19b A19b BD6
IF, A19a A19a BD5
IF, A20c A20c BD4
IF, A20b A20b BD3
IF, A20a A20a BD2
IF, A21c A21c BD1
IF, A21b A21b BD0
IF, A21a A21a BA6
IF, A22c A22c BA5
IF, A22b A22b BA4
IF, A22a A22a BA3
IF, A24b A24b BDEN
IF, A23b A23b BDRD
IF, A23a A23a BDWR
IF, A23c A23c BA0
IF, A24a A24a BRST
RB12 47K
RB10 47Kx8
RB13 47Kx8
RB11 10Kx8
RB9 4700x8
R37 2200
C134 18P
C56 18P
X1 12MHz
C115 0.022
IC-E39 TC74HC04P
IC-C39 TC74HC640P
IC-E39 TC74HC04P
IC-E40 TC74HC04P
IC-D39 TC74HC688P
C39
D39
C36
P=Q
UPI TEST
CN1
VIDEO INPUT SELECT
S2
ANA
DIG
S1
S1-1; MAPPING OFF
-2; SHUFFLING OFF
-3; BYPASS3
-4; BYPASS4
-5; BYPASS5
IC-C36 MBL8742H-VE121510
IC-A19 MC74HC174N
IC-B19 MC74HC174N
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN719)
B: CN102 (CN720)
C: CN103 (CN721)
IC-E39 TC74HC163P
IC-E29 TC74HC08P
FROM 1/3 25 50H
FROM 1/3 26 F
IC-F31 TC74HC109P
IC-H35 SN74LS04N
IC-F30 TC74HC32P
IC-F38 SN74LS04N
IC-G27 TC74HC08P
IC-F39 SN74LS04N
TG, A27a A26c SFID
TG, A27c A25c SHSA
TG, A27b A25b SHSC
RB15 10K
TP4
TP5
IC-G35 MC74HC74N
IC-G36 TC74HC08P
IC-F30 TC74HC32P
IC-A16 CX23043
IC-A15 CX23043
IC-E20 TC74HC20P
FROM 1/3 41 SHW CNT EN
FROM 1/3 35 SH WRQCK 0
A1c A1b A1a A11c A11b A11a GND
A32a A32b A32a B16c B16b B16a C16c C16b C16a GND
B15c B15b B15a +5V
C1c C1b C1a +5V
B14c B14b B14a -5V
F1 10A
F2 10A
L1 L2 L3 L4 L5 L6
C1 100 25V
C2 100 25V
C3 100 25V
C4 100 25V
C5 100 25V
C6 100 25V
0.022
A18
A16
A15
RB7 10K
RB8 10Kx2
RB7 10Kx7
RB8 10K
IC-A18 TC74HC175P
IC-C19 TC74HC00P
IC-G27 TC74HC08P
IC-E39 TC74HC04P IC-H31 TC74HC32P
IC-A3 TC74HC244P
IC-A12 TC74HC244P
IC-A13 TC74HC244P
IC-A14 TC74HC244P
IC-B13 MBM27C256-VE12031
IC-B14 MBM27C256-VE12041
IC-E26 TC74HC04P
IC-B15 MBM27C256-VE12051
IC-B17 MBM27C256-VE12061
IC-A6 TC74HC283P
IC-A11 TC74HC283P
IC-A5 TC74HC283P
IC-A9 TC74HC283P
IC-A1 MB7124H-VE12011
IC-A7 MB7124H-VE12011
RB2 10Kx8
RB4 10Kx5
RB5 10Kx5
RB6 10Kx8
RB1 10Kx8
RB3 10Kx8
B3 B6 B9 B11 B1 B5 B7
D6 E5 D5 E3 D3 E1 D1
IC-B3 TC74HC374P
IC-B6 TC74HC374P
IC-B9 TC74HC374P
IC-B11 TC74HC374P
IC-B1 TC74HC374P
IC-B5 TC74HC374P
IC-B7 TC74HC374P


VIDEO.SELECT D/A 119 TO 1/3
MAPPING.OFF/ON 120 TO 1/3
SWRST 121 TO 1/3
BP3: L A26b IE, A23b
BP1E: L A26a IE, A23a
BYPASS 4: L 122 TO 1/3
BYPASS 5: L 123 TO 1/3
RST 124 TO 1/3
FSHU A18c IE, A18c
2FRAME 125 TO 3/3
CA ADRS 13 … CA ADRS 0 126–139 TO 3/3
CB ADRS 13 … CB ADRS 0 140–153 TO 3/3
CC ADRS 13 … CC ADRS 0 154–167 TO 3/3
CD ADRS 13 … CD ADRS 0 168–181 TO 3/3
SYNC C 44 TO 3/3
SYNC A 45 TO 3/3
L/S C 46 TO 3/3
L/S A 47 TO 3/3
YII A ADRS 13 … YII A ADRS 0 48–61 TO 3/3
YII B ADRS 13 … YII B ADRS 0 62–75 TO 3/3
YII C ADRS 13 … YII C ADRS 0 76–89 TO 3/3
YII D ADRS 13 … YII D ADRS 0 90–103 TO 3/3
WEA: L 104 TO 3/3
WEB: L 105 TO 3/3
WENA 106 TO 3/3
RPARAA 107 TO 3/3
CSA: L 108 TO 3/3
SSB: L 109 TO 3/3
WEC: L 110 TO 3/3
WED: L 111 TO 3/3
WENC 112 TO 3/3
RPARAC 113 TO 3/3
CSC: L 114 TO 3/3
CSD: L 115 TO 3/3
PCK 0 116 TO 3/3
PCK 1 117 TO 3/3
PCK 2 118 TO 3/3
TG, A31c A31c SY SCK +
TG, A31b A31b SY SCK −
FROM 1/3 40 SHWROCKS
IC-D19 CX23043
IC-D18 MB7226RA-VE12081
IC-E27 MC74HC74N
IC-C18 TC74HC04P
IC-D16 CX23043
IC-E24 TC74HC08P
IC-E26 TC74HC08P
IC-E24 TC74HC04P
IC-D15 MB7232RA-VE12071
IC-E11 VP16VBE-VE12021
IC-D11 VP16VBE-VE12021
IC-E9 VP16VBE-VE12021
IC-D9 VP16VBE-VE12021
IC-E7 VP16VBE-VE12021
IC-D7 VP16VBE-VE12021
IC-E6 VP16VBE-VE12021
ADDRESS SELECTOR
IC-E29 TC74HC08P
IC-D14 CX23043
IC-D13 CX23043
IC-E19 CX23043
IC-E18 MB7226RA-VE12081
IC-E28 MC74HC74N
IC-C19 TC74HC00P
IC-E15 MB7232RA-VE12071
IC-E24 TC74HC08P
IC-E26 TC74HC04P
IC-E16 CX23043
IC-E24 TC74HC08P
IC-F27 TC74HC00P
IC-F40 AM26LS32PC
IC-E32 SN74LS74N
IC-E29 TC74HC08P
IC-E14 CX23043
IC-E13 CX23043
IC-H35 SN74LS04N
IC-G29 MC74HC74N
IC-F29 TC74HC04P
IC-F28 TC74HC04P
IC-E26 TC74HC04P
IC-F29 TC74HC04P
IC-H30 TC74HC04P
IC-G27 TC74HC08P
IC-E30 TC74HC04P
IC-G30 MC74HC74N
IC-G36 TC74HC08P
IC-F28 TC74HC04P
IC-G28 SN74LS10N
IC-G35 MC74HC74N
IC-F29 TC74HC04P
IC-H35 SN74LS04N
IC-E30 TC74HC04P
IC-D6 VP16VBE-VE12021
IC-E5 VP16VBE-VE12021
IC-D5 VP16VBE-VE12021
IC-E3 VP16VBE-VE12021
IC-D3 VP16VBE-VE12021
IC-E1 VP16VBE-VE12021
IC-D1 VP16VBE-VE12021
ADDRESS SELECTOR
TP6
TP7
+5V
R88 10K
R38 10K
R39 10K
R42 10K
R43 10K
R44 10K
R45 10K
R47 10K
R815 10K
R817 10K

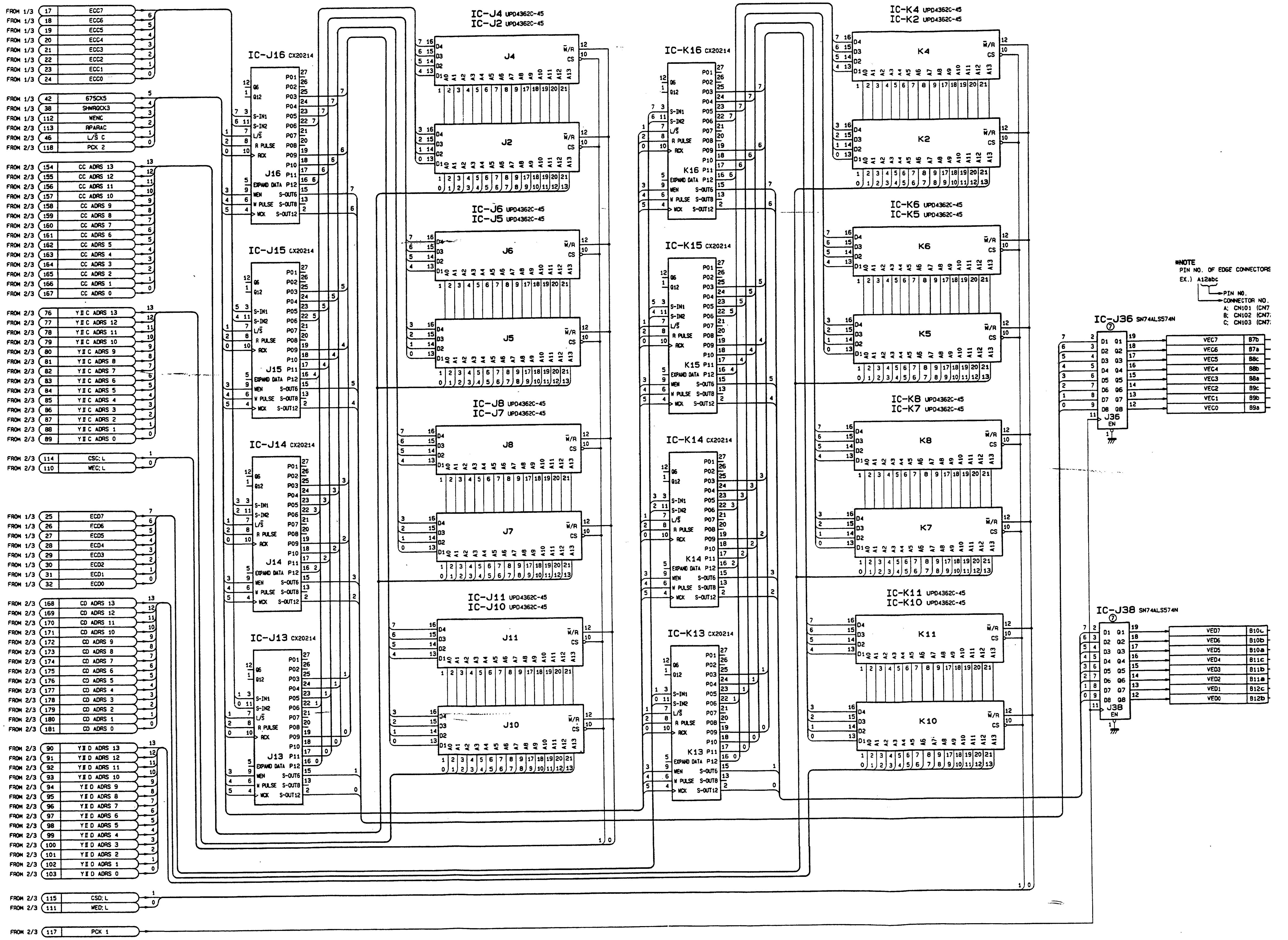
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
→PIN NO.
→CONNECTOR NO.
A: CNA (CN719)
B: CNB (CN720)
C: CNC (CN721)

VE-12BOARD (2/3)
BOARD NO. 1-620-917-11
DVPC-1000 (J) : #10001-10599
DVPC-1000 (U/C) : #10001-10899
DVPC-1000 (EK) : #10001-10899

VE-12 BOARD (3/3)

Video Outer Encoder

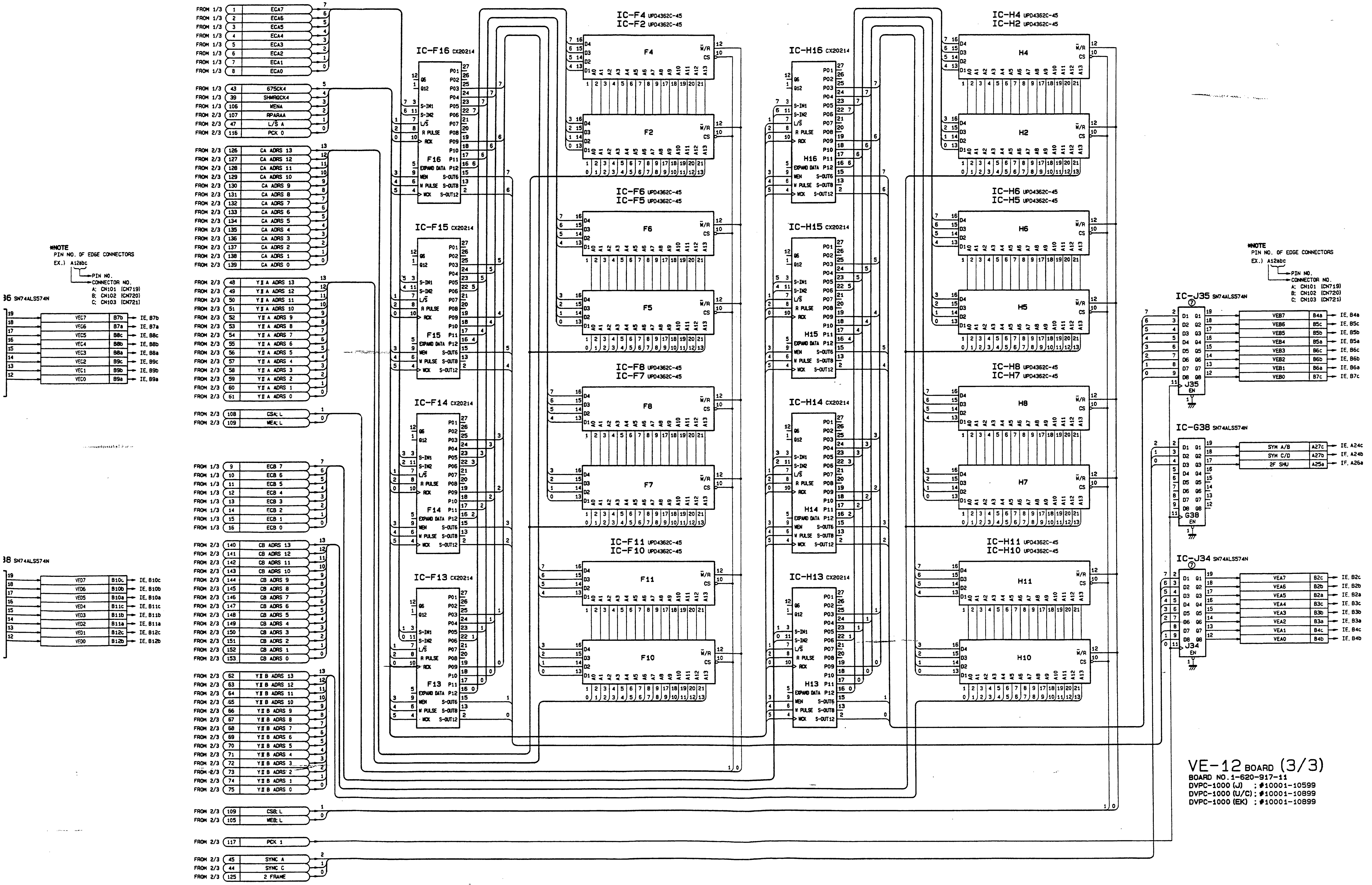
#10001 TO 10599 (J)
#10001 TO 10899 (UC)
#10001 TO 10899 (EK)


FROM 1/3 17 ECC7
FROM 1/3 18 ECC6
FROM 1/3 19 ECC5
FROM 1/3 20 ECC4
FROM 1/3 21 ECC3
FROM 1/3 22 ECC2
FROM 1/3 23 ECC1
FROM 1/3 24 ECC0
FROM 1/3 42 675CK5
FROM 1/3 38 SHWROCK3
FROM 1/3 112 WENC
FROM 2/3 113 RPARAC
FROM 2/3 46 L/S C
FROM 2/3 118 PCK 2
FROM 2/3 154 CC ADRS 13
FROM 2/3 155 CC ADRS 12
FROM 2/3 156 CC ADRS 11
FROM 2/3 157 CC ADRS 10
FROM 2/3 158 CC ADRS 9
FROM 2/3 159 CC ADRS 8
FROM 2/3 160 CC ADRS 7
FROM 2/3 161 CC ADRS 6
FROM 2/3 162 CC ADRS 5
FROM 2/3 163 CC ADRS 4
FROM 2/3 164 CC ADRS 3
FROM 2/3 165 CC ADRS 2
FROM 2/3 166 CC ADRS 1
FROM 2/3 167 CC ADRS 0
FROM 2/3 76 YII C ADRS 13
FROM 2/3 77 YII C ADRS 12
FROM 2/3 78 YII C ADRS 11
FROM 2/3 79 YII C ADRS 10
FROM 2/3 80 YII C ADRS 9
FROM 2/3 81 YII C ADRS 8
FROM 2/3 82 YII C ADRS 7
FROM 2/3 83 YII C ADRS 6
FROM 2/3 84 YII C ADRS 5
FROM 2/3 85 YII C ADRS 4
FROM 2/3 86 YII C ADRS 3
FROM 2/3 87 YII C ADRS 2
FROM 2/3 88 YII C ADRS 1
FROM 2/3 89 YII C ADRS 0
FROM 2/3 114 CSC; L
FROM 2/3 110 WEC; L
FROM 1/3 25 ECD7
FROM 1/3 26 ECD6
FROM 1/3 27 ECD5
FROM 1/3 28 ECD4
FROM 1/3 29 ECD3
FROM 1/3 30 ECD2
FROM 1/3 31 ECD1
FROM 1/3 32 ECD0
FROM 2/3 168 CD ADRS 13
FROM 2/3 169 CD ADRS 12
FROM 2/3 170 CD ADRS 11
FROM 2/3 171 CD ADRS 10
FROM 2/3 172 CD ADRS 9
FROM 2/3 173 CD ADRS 8
FROM 2/3 174 CD ADRS 7
FROM 2/3 175 CD ADRS 6
FROM 2/3 176 CD ADRS 5
FROM 2/3 177 CD ADRS 4
FROM 2/3 178 CD ADRS 3
FROM 2/3 179 CD ADRS 2
FROM 2/3 180 CD ADRS 1
FROM 2/3 181 CD ADRS 0
FROM 2/3 90 YII D ADRS 13
FROM 2/3 91 YII D ADRS 12
FROM 2/3 92 YII D ADRS 11
FROM 2/3 93 YII D ADRS 10
FROM 2/3 94 YII D ADRS 9
FROM 2/3 95 YII D ADRS 8
FROM 2/3 96 YII D ADRS 7
FROM 2/3 97 YII D ADRS 6
FROM 2/3 98 YII D ADRS 5
FROM 2/3 99 YII D ADRS 4
FROM 2/3 100 YII D ADRS 3
FROM 2/3 101 YII D ADRS 2
FROM 2/3 102 YII D ADRS 1
FROM 2/3 103 YII D ADRS 0
FROM 2/3 115 CSD; L
FROM 2/3 111 WED; L
FROM 2/3 117 PCK 1
IC-J16 CX20214
IC-J15 CX20214
IC-J14 CX20214
IC-J13 CX20214
IC-K16 CX20214
IC-K15 CX20214
IC-K14 CX20214
IC-K13 CX20214
Q6 Q12 S-IN1 S-IN2 L/S R PULSE RCK EXPAND DATA WEN W PULSE WCK
P01 P02 P03 P04 P05 P06 P07 P08 P09 P10 P11 P12 S-OUT6 S-OUT8 S-OUT12
IC-J4 UPD4362C-45
IC-J2 UPD4362C-45
IC-J6 UPD4362C-45
IC-J5 UPD4362C-45
IC-J8 UPD4362C-45
IC-J7 UPD4362C-45
IC-J11 UPD4362C-45
IC-J10 UPD4362C-45
IC-K4 UPD4362C-45
IC-K2 UPD4362C-45
IC-K6 UPD4362C-45
IC-K5 UPD4362C-45
IC-K8 UPD4362C-45
IC-K7 UPD4362C-45
IC-K11 UPD4362C-45
IC-K10 UPD4362C-45
D4 D3 D2 D1 W/R CS A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12 A13
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A; CN101 (CN7
B; CN102 (CN7
C; CN103 (CN7
IC-J36 SN74ALS574N
IC-J38 SN74ALS574N
D1 D2 D3 D4 D5 D6 D7 D8 Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 EN
VEC7 B7b
VEC6 B7a
VEC5 B8c
VEC4 B8b
VEC3 B8a
VEC2 B9c
VEC1 B9b
VEC0 B9a
VED7 B10c
VED6 B10b
VED5 B10a
VED4 B11c
VED3 B11b
VED2 B11a
VED1 B12c
VED0 B12b

B-143 (a)

B-144 (a)

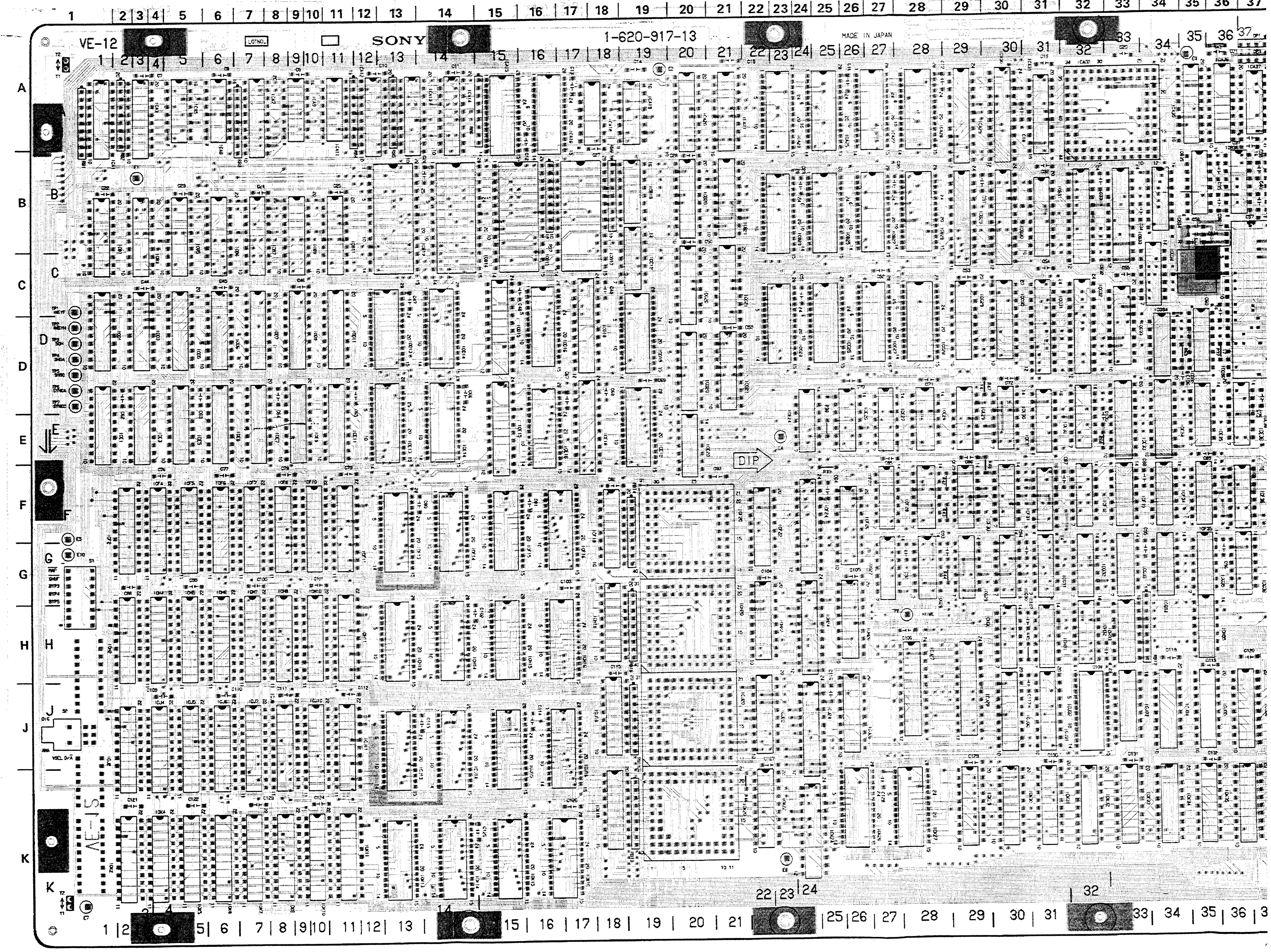
CARD RACK **VE-12 (3/3)** BOARD | **VE-12 (3/3)** BOARD CARD RACK


IC-F16 CX20214
IC-F15 CX20214
IC-F14 CX20214
IC-F13 CX20214
IC-F4 UPD4362C-45
IC-F2 UPD4362C-45
IC-F6 UPD4362C-45
IC-F5 UPD4362C-45
IC-F8 UPD4362C-45
IC-F7 UPD4362C-45
IC-F11 UPD4362C-45
IC-F10 UPD4362C-45
IC-H16 CX20214
IC-H15 CX20214
IC-H14 CX20214
IC-H13 CX20214
IC-H4 UPD4362C-45
IC-H2 UPD4362C-45
IC-H6 UPD4362C-45
IC-H5 UPD4362C-45
IC-H8 UPD4362C-45
IC-H7 UPD4362C-45
IC-H11 UPD4362C-45
IC-H10 UPD4362C-45
IC-J35 SN74ALS574N
IC-G38 SN74ALS574N
IC-J34 SN74ALS574N
36 SN74ALS574N
38 SN74ALS574N
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN719)
B: CN102 (CN720)
C: CN103 (CN721)
FROM 1/3
FROM 2/3
ECA7 ECA6 ECA5 ECA4 ECA3 ECA2 ECA1 ECA0
675CK4
SHMRQCK4
WENA
RPARAA
L/S A
PCK 0
CA ADRS 13 … CA ADRS 0
YII A ADRS 13 … YII A ADRS 0
CSA; L
WEA; L
ECB 7 … ECB 0
CB ADRS 13 … CB ADRS 0
YII B ADRS 13 … YII B ADRS 0
CSB; L
WEB; L
PCK 1
SYNC A
SYNC C
2 FRAME
VEB7 VEB6 VEB5 VEB4 VEB3 VEB2 VEB1 VEB0
SYM A/B
SYM C/D
2F SMU
VEA7 VEA6 VEA5 VEA4 VEA3 VEA2 VEA1 VEA0
VEC7 VEC6 VEC5 VEC4 VEC3 VEC2 VEC1 VEC0
VED7 VED6 VED5 VED4 VED3 VED2 VED1 VED0
IE, B4a IE, B5c IE, B5b IE, B5a IE, B6c IE, B6b IE, B6a IE, B7c
IE, A24c IE, A24b IE, A26a
IE, B2c IE, B2b IE, B2a IE, B3c IE, B3b IE, B3a IE, B4c IE, B4b
IE, B7b IE, B7a IE, B8c IE, B8b IE, B8a IE, B9c IE, B9b IE, B9a
IE, B10c IE, B10b IE, B10a IE, B11c IE, B11b IE, B11a IE, B12c IE, B12b

VE-12 BOARD (3/3)
BOARD NO. 1-620-917-11
DVPC-1000 (J) : #10001-10599
DVPC-1000 (U/C) : #10001-10899
DVPC-1000 (EK) : #10001-10899

VE-12 BOARD (1-620-917-13)
Component Side

#10601 & UP (J)
#10901 & UP (UC)
#10901 & UP (EK)


VE-12
SONY
1-620-917-13
MADE IN JAPAN
DIP
A
B
C
D
E
F
G
H
J
K
1
2
3
4
5
6
7
8
9
10
11
12
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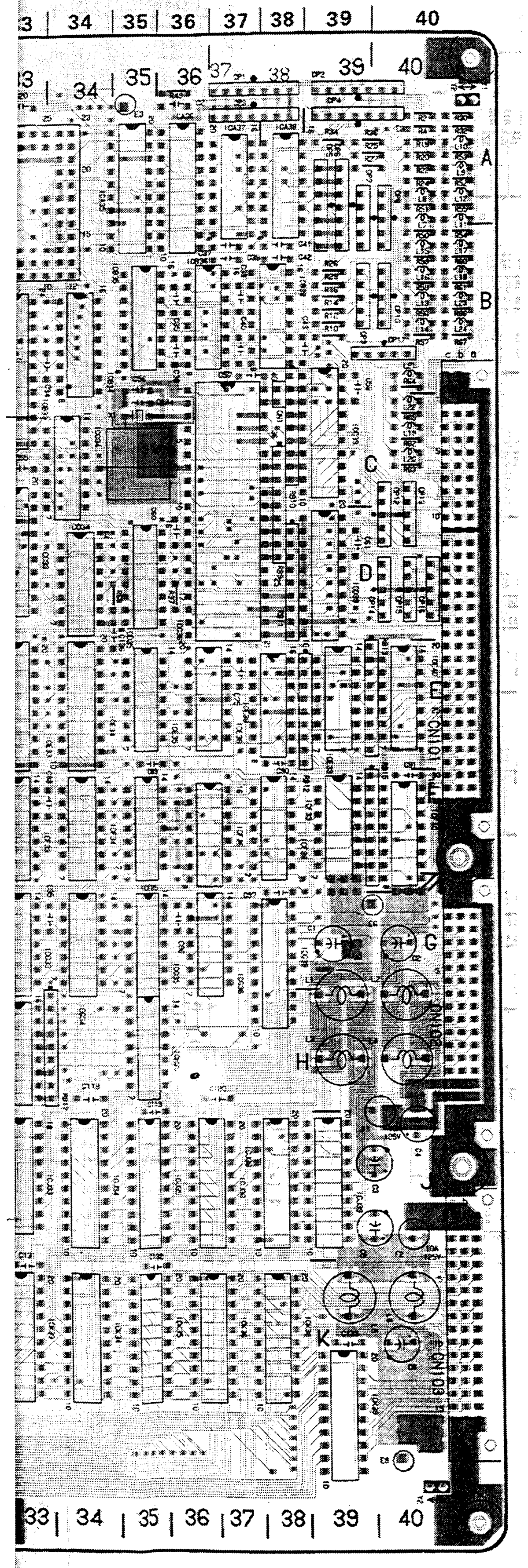
1-620-917-13 COMPONENT SIDE

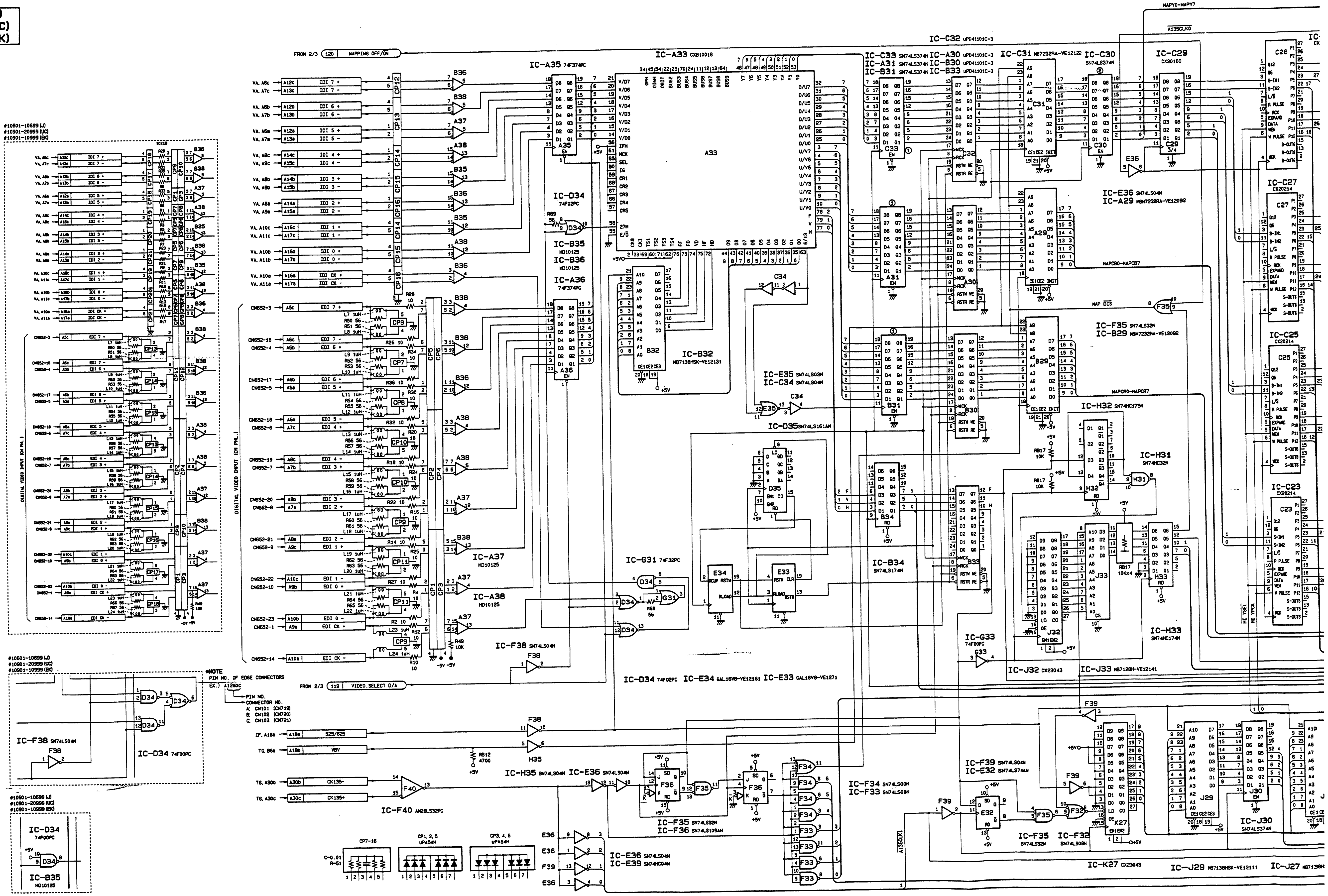

3
34
35
36
37
38
39
40
A
B
C
D
E
F
G
H
K
CN101
CN102
CN103
33
34
35
36
37
38
39
40

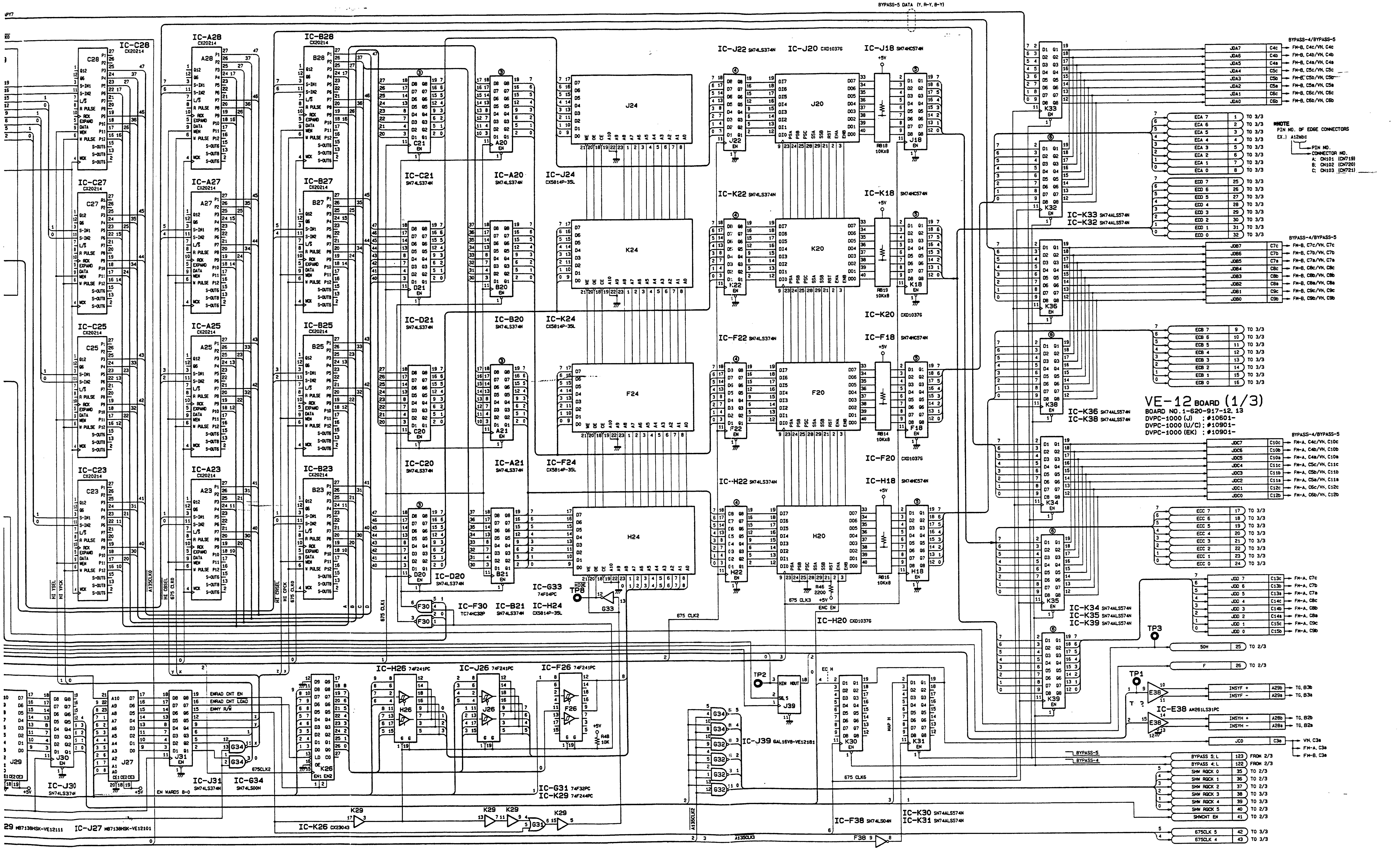
1-620-917-13 SOLDER SIDE

VE-12 BOARD (1/3)

Video Outer Encoder

#10601 & UP (J)
#10901 & UP (UC)
#10901 & UP (EK)


IC-A33 CXD1001Q
IC-A35 74F374PC
IC-A36 74F374PC
IC-B35 HD10125
IC-B36 HD10125
IC-A37 HD10125
IC-A38 HD10125
IC-D34 74F02PC
IC-G31 74F32PC
IC-B32 MB7138HSK-VE12131
IC-C32 uPD41101C-3
IC-C33 SN74LS374N
IC-A31 SN74LS374N
IC-B31 SN74LS374N
IC-A30 uPD41101C-3
IC-B30 uPD41101C-3
IC-B33 uPD41101C-3
IC-C31 MB7232RA-VE12122
IC-C30 SN74LS374N
IC-C29 CX20160
IC-C27 CX20214
IC-C25 CX20214
IC-C23 CX20214
IC-E36 SN74LS04N
IC-A29 MB7232RA-VE12092
IC-F35 SN74LS32N
IC-B29 MB7232RA-VE12092
IC-H32 SN74HC175N
IC-H31 SN74HC32N
IC-H33 SN74HC174N
IC-E35 SN74LS02N
IC-C34 SN74LS04N
IC-D35 SN74LS161AN
IC-B34 SN74LS174N
IC-F38 SN74LS04N
IC-D34 74F02PC
IC-E34 GAL16V8-VE12151
IC-E33 GAL16V8-VE12171
IC-G33 74F00PC
IC-J32 CX23043
IC-J33 MB7128H-VE12141
IC-F40 AM26LS32PC
IC-H35 SN74LS04N
IC-E36 SN74LS04N
IC-F35 SN74LS32N
IC-F36 SN74LS109AN
IC-F34 SN74LS00N
IC-F33 SN74LS00N
IC-E36 SN74LS04N
IC-E39 SN74HC04N
IC-F39 SN74LS04N
IC-E32 SN74LS74AN
IC-F35 SN74LS32N
IC-F32 SN74LS08N
IC-K27 CX23043
IC-J29 MB7138HSK-VE12111
IC-J30 SN74LS374N
FROM 2/3 120 MAPPING OFF/ON
FROM 2/3 119 VIDEO.SELECT D/A
DIGITAL VIDEO INPUT (CH PAL)
#10601-10699 (J)
#10901-20999 (UC)
#10901-10999 (EK)
#NOTE PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN719)
B: CN102 (CN720)
C: CN103 (CN721)
IC-F38 SN74LS04N
IC-D34 74F00PC
IC-D34 74F00PC
IC-B35 HD10125
CP7-16
CP1, 2, 5 uPA54H
CP3, 4, 6 uPA64H
C=0.01 R=51
MAPY0-MAPY7
A135CLK0
MAPCB0-MAPCB7
MAPCR0-MAPCR7
MAP DIS

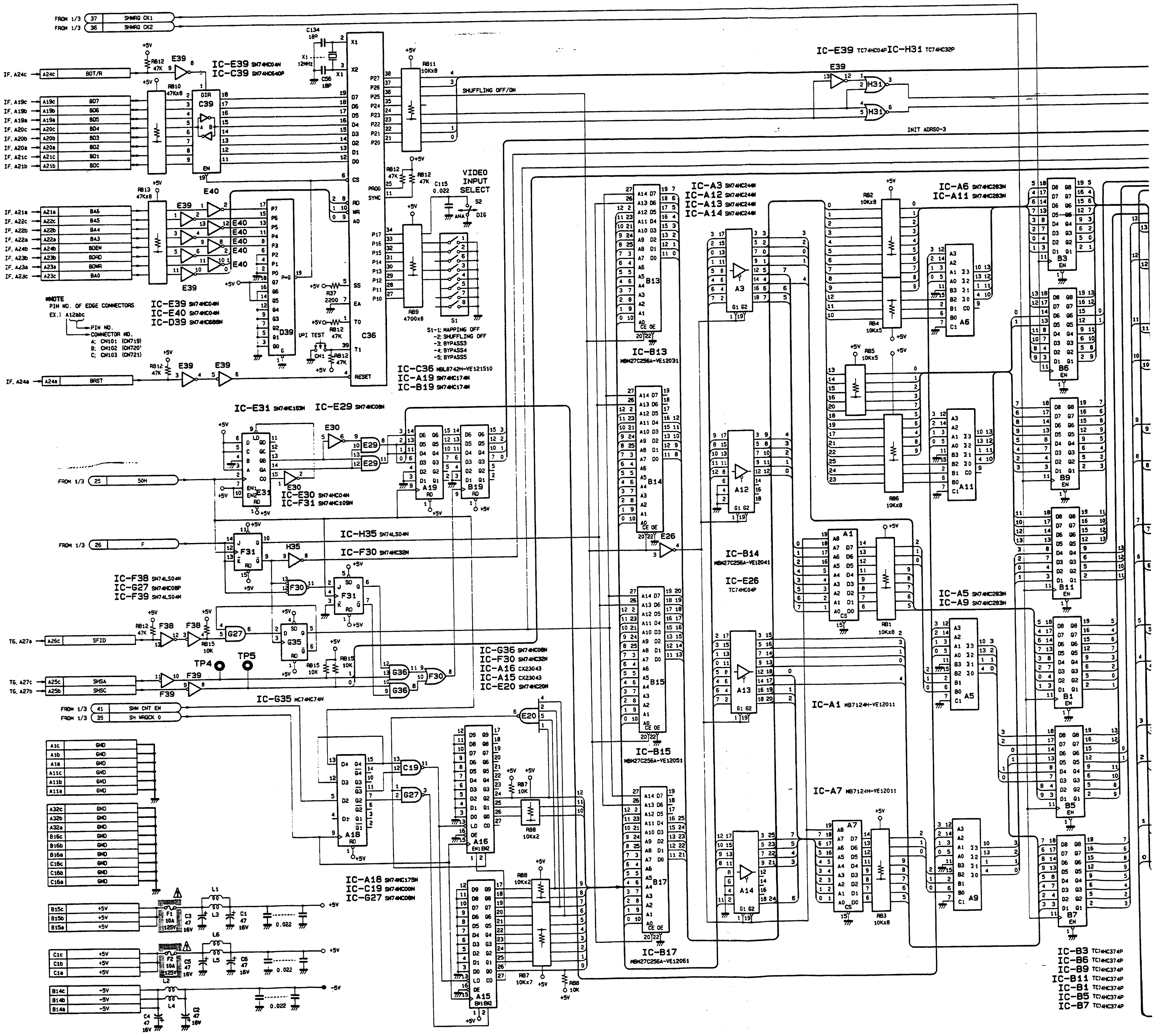

BYPASS-5 DATA (Y, R-Y, B-Y)
IC-C28 CX20214
IC-A28 CX20214
IC-B28 CX20214
IC-C27 CX20214
IC-A27 CX20214
IC-B27 CX20214
IC-C25 CX20214
IC-A25 CX20214
IC-B25 CX20214
IC-C23 CX20214
IC-A23 CX20214
IC-B23 CX20214
IC-C21 SN74LS374N
IC-A20 SN74LS374N
IC-J24 CX5814P-35L
IC-D21 SN74LS374N
IC-B20 SN74LS374N
IC-K24 CX5814P-35L
IC-C20 SN74LS374N
IC-A21 SN74LS374N
IC-F24 CX5814P-35L
IC-D20 SN74LS374N
IC-F30 TC74HC32P
IC-B21 SN74LS374N
IC-H24 CX5814P-35L
IC-G33 74F04PC
TP8
IC-J22 SN74LS374N
IC-J20 CXD10376
IC-J18 SN74HC574N
IC-K22 SN74LS374N
IC-K18 SN74HC574N
IC-K20 CXD10376
IC-F22 SN74LS374N
IC-F18 SN74HC574N
IC-F20 CXD10376
IC-H22 SN74LS374N
IC-H18 SN74HC574N
IC-H20 CXD10376
IC-K33 SN74ALS574N
IC-K32 SN74ALS574N
IC-K36 SN74ALS574N
IC-K38 SN74ALS574N
IC-K34 SN74ALS574N
IC-K35 SN74ALS574N
IC-K39 SN74ALS574N
TP3
TP1
IC-E38 AM26LS31PC
TP2
IC-J39 GAL16V8-VE12181
IC-F38 SN74LS04N
IC-K30 SN74ALS574N
IC-K31 SN74ALS574N
IC-H26 74F241PC
IC-J26 74F241PC
IC-F26 74F241PC
IC-G31 74F32PC
IC-K29 74F244PC
IC-K26 CX23043
IC-J31 SN74LS374N
IC-G34 SN74LS00N
IC-J30 SN74LS374
IC-J27 MB7138HSK-VE12101
29 MB7138HSK-VE12111
ENRAD CNT EN
ENRAD CNT LOAD
EMMY R/W
EN WARDS 8-0
675 CLK1
675 CLK2
675 CLK3
675 CLK6
ENC EN
A135CLK3
HIDE
BYPASS-4/BYPASS-5
JDA7 C4c FM-B, C4c/VN, C4c
JDA6 C4b FM-B, C4b/VN, C4b
JDA5 C4a FM-B, C4a/VN, C4a
JDA4 C5c FM-B, C5c/VN, C5c
JDA3 C5b FM-B, C5b/VN, C5b
JDA2 C5a FM-B, C5a/VN, C5a
JDA1 C6c FM-B, C6c/VN, C6c
JDA0 C6b FM-B, C6b/VN, C6b
ECA 7 1 TO 3/3
ECA 6 2 TO 3/3
ECA 5 3 TO 3/3
ECA 4 4 TO 3/3
ECA 3 5 TO 3/3
ECA 2 6 TO 3/3
ECA 1 7 TO 3/3
ECA 0 8 TO 3/3
ECD 7 25 TO 3/3
ECD 6 26 TO 3/3
ECD 5 27 TO 3/3
ECD 4 28 TO 3/3
ECD 3 29 TO 3/3
ECD 2 30 TO 3/3
ECD 1 31 TO 3/3
ECD 0 32 TO 3/3
JDB7 C7c FM-B, C7c/VN, C7c
JDB6 C7b FM-B, C7b/VN, C7b
JDB5 C7a FM-B, C7a/VN, C7a
JDB4 C8c FM-B, C8c/VN, C8c
JDB3 C8b FM-B, C8b/VN, C8b
JDB2 C8a FM-B, C8a/VN, C8a
JDB1 C9c FM-B, C9c/VN, C9c
JDB0 C9b FM-B, C9b/VN, C9b
ECB 7 9 TO 3/3
ECB 6 10 TO 3/3
ECB 5 11 TO 3/3
ECB 4 12 TO 3/3
ECB 3 13 TO 3/3
ECB 2 14 TO 3/3
ECB 1 15 TO 3/3
ECB 0 16 TO 3/3
JDC7 C10c FM-A, C4c/VN, C10c
JDC6 C10b FM-A, C4b/VN, C10b
JDC5 C10a FM-A, C4a/VN, C10a
JDC4 C11c FM-A, C5c/VN, C11c
JDC3 C11b FM-A, C5b/VN, C11b
JDC2 C11a FM-A, C5a/VN, C11a
JDC1 C12c FM-A, C6c/VN, C12c
JDC0 C12b FM-A, C6b/VN, C12b
ECC 7 17 TO 3/3
ECC 6 18 TO 3/3
ECC 5 19 TO 3/3
ECC 4 20 TO 3/3
ECC 3 21 TO 3/3
ECC 2 22 TO 3/3
ECC 1 23 TO 3/3
ECC 0 24 TO 3/3
JDD 7 C13c FM-A, C7c
JDD 6 C13b FM-A, C7b
JDD 5 C13a FM-A, C7a
JDD 4 C14c FM-A, C8c
JDD 3 C14b FM-A, C8b
JDD 2 C14a FM-A, C8a
JDD 1 C15c FM-A, C9c
JDD 0 C15b FM-A, C9b
50H 25 TO 2/3
F 26 TO 2/3
INSYF + A29b TG, B3b
INSYF − A29a TG, B3a
INSYH + A28b TG, B2b
INSYH − A28a TG, B2a
JCO C3a VN, C3a FM-A, C3a FM-B, C3a
BYPASS-5
BYPASS-4
BYPASS 5; L 123 FROM 2/3
BYPASS 4; L 122 FROM 2/3
SHW RQCK 0 35 TO 2/3
SHW RQCK 1 36 TO 2/3
SHW RQCK 2 37 TO 2/3
SHW RQCK 3 38 TO 2/3
SHW RQCK 4 39 TO 2/3
SHW RQCK 5 40 TO 2/3
SHWCNT EN 41 TO 2/3
675CLK 5 42 TO 3/3
675CLK 4 43 TO 3/3
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN719)
B: CN102 (CN720)
C: CN103 (CN721)

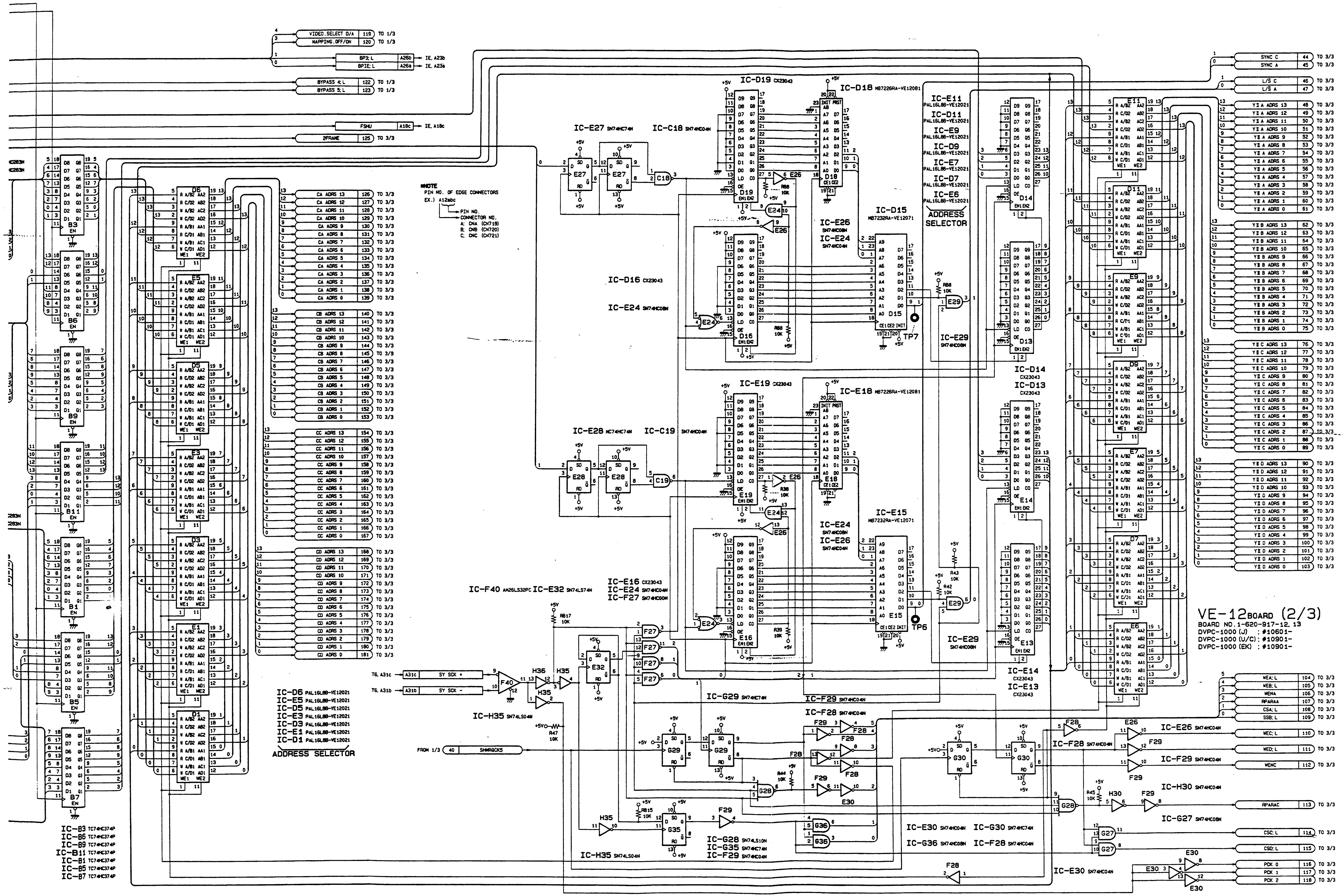
VE-12 BOARD (1/3)
BOARD NO. 1-620-917-12, 13
DVPC-1000 (J) : #10601-
DVPC-1000 (U/C) : #10901-
DVPC-1000 (EK) : #10901-

VE-12 BOARD (2/3)

Video Outer Encoder

#10601 & UP (J)
#10901 & UP (UC)
#10901 & UP (EK)


IC-E39 SN74HC04N
IC-C39 SN74HC640P
IC-E39 SN74HC04N
IC-E40 SN74HC04N
IC-D39 SN74HC688N
IC-C36 MBL8742H-VE121510
IC-A19 SN74HC174N
IC-B19 SN74HC174N
IC-E31 SN74HC163N
IC-E29 SN74HC08N
IC-E30 SN74HC04N
IC-F31 SN74HC109N
IC-H35 SN74LS04N
IC-F30 SN74HC32N
IC-F38 SN74LS04N
IC-G27 SN74HC08P
IC-F39 SN74LS04N
IC-G35 HC74HC74N
IC-G36 SN74HC08N
IC-F30 SN74HC32N
IC-A16 CX23043
IC-A15 CX23043
IC-E20 SN74HC20N
IC-A18 SN74HC175N
IC-C19 SN74HC00N
IC-G27 SN74HC08N
IC-A3 SN74HC244N
IC-A12 SN74HC244N
IC-A13 SN74HC244N
IC-A14 SN74HC244N
IC-B13 MBM27C256A-VE12031
IC-B14 MBM27C256A-VE12041
IC-E26 TC74HC04P
IC-B15 MBM27C256A-VE12051
IC-B17 MBM27C256A-VE12061
IC-A6 SN74HC283N
IC-A11 SN74HC283N
IC-A5 SN74HC283N
IC-A9 SN74HC283N
IC-A1 MB7124H-VE12011
IC-A7 MB7124H-VE12011
IC-E39 TC74HC04P
IC-H31 TC74HC32P
IC-B3 TC74HC374P
IC-B6 TC74HC374P
IC-B9 TC74HC374P
IC-B11 TC74HC374P
IC-B1 TC74HC374P
IC-B5 TC74HC374P
IC-B7 TC74HC374P
FROM 1/3 37 SHMRG CK1
FROM 1/3 36 SHMRG CK2
FROM 1/3 25 50H
FROM 1/3 26 F
FROM 1/3 41 SHW CNT EN
FROM 1/3 35 SH WRQCK 0
SHUFFLING OFF/ON
INIT ADRS0-3
VIDEO INPUT SELECT
S1-1: MAPPING OFF
-2: SHUFFLING OFF
-3: BYPASS3
-4: BYPASS4
-5: BYPASS5
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN719)
B: CN102 (CN720)
C: CN103 (CN721)
TP4
TP5
SFID
SHSA
SHSC
BRST
+5V
-5V
GND

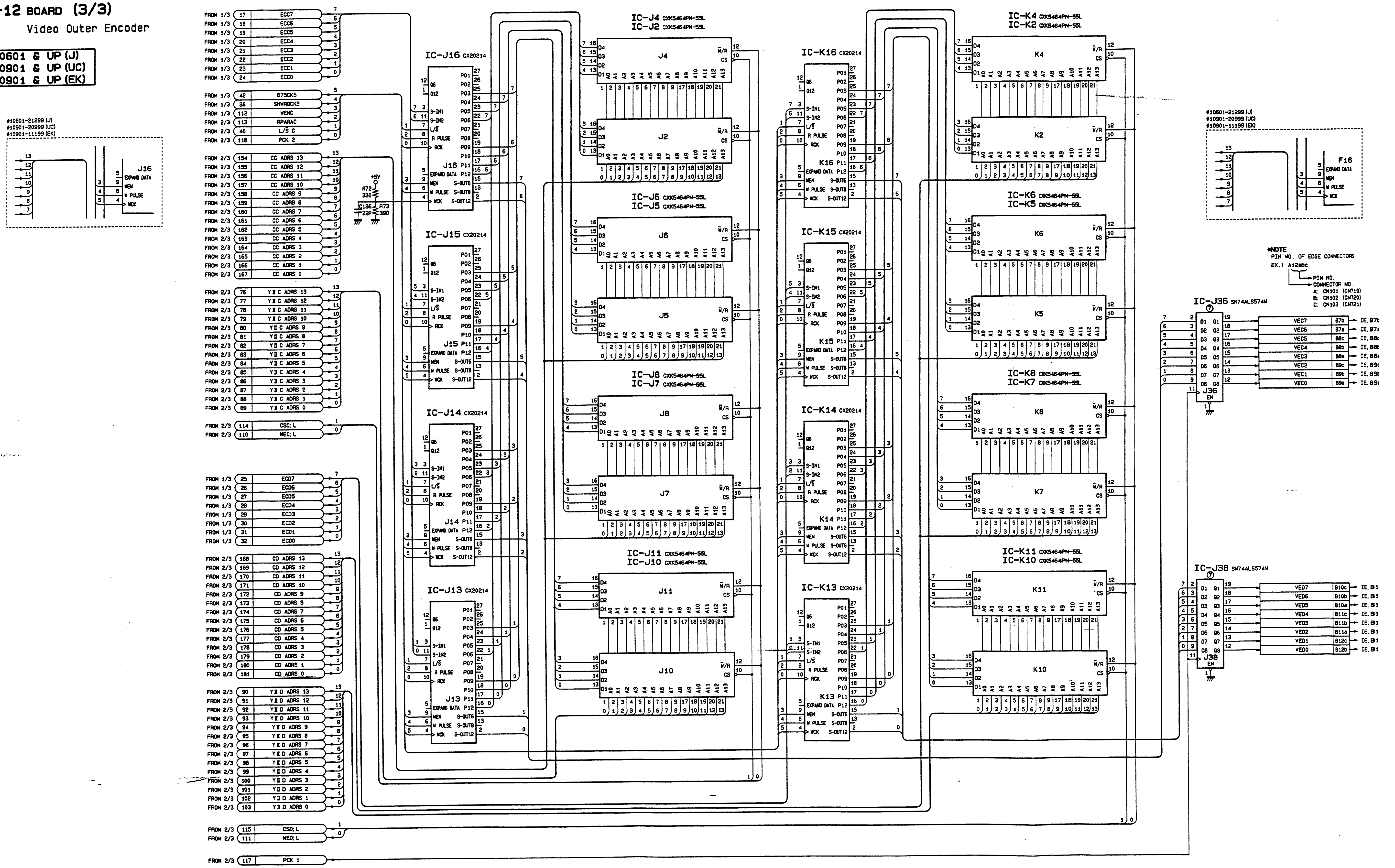

VIDEO.SELECT D/A 119 TO 1/3
MAPPING.OFF/ON 120 TO 1/3
BP3; L A26b IE, A23b
BPIE; L A26a IE, A23a
BYPASS 4; L 122 TO 1/3
BYPASS 5; L 123 TO 1/3
FSHU A18c IE, A18c
2FRAME 125 TO 3/3
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A; CNA (CN719)
B; CNB (CN720)
C; CNC (CN721)
CA ADRS 13 … CA ADRS 0 126–139 TO 3/3
CB ADRS 13 … CB ADRS 0 140–153 TO 3/3
CC ADRS 13 … CC ADRS 0 154–167 TO 3/3
CD ADRS 13 … CD ADRS 0 168–181 TO 3/3
B3
B6
B9
B11
B1
B5
B7
D6
E5
D5
E3
D3
E1
D1
IC-B3 TC74HC374P
IC-B6 TC74HC374P
IC-B9 TC74HC374P
IC-B11 TC74HC374P
IC-B1 TC74HC374P
IC-B5 TC74HC374P
IC-B7 TC74HC374P
IC-D6 PAL16L8B-VE12021
IC-E5 PAL16L8B-VE12021
IC-D5 PAL16L8B-VE12021
IC-E3 PAL16L8B-VE12021
IC-D3 PAL16L8B-VE12021
IC-E1 PAL16L8B-VE12021
IC-D1 PAL16L8B-VE12021
ADDRESS SELECTOR
IC-E27 SN74HC74N
IC-C18 SN74HC04N
IC-D19 CX23043
IC-D18 MB7226RA-VE12081
IC-D16 CX23043
IC-E24 SN74HC08N
IC-E26 SN74HC08N
IC-E24 SN74HC04N
IC-D15 MB7232RA-VE12071
TP7
IC-E28 MC74HC74N
IC-C19 SN74HC04N
IC-E19 CX23043
IC-E18 MB7226RA-VE12081
IC-E24 SN74HC08N
IC-E26 SN74HC04N
IC-E15 MB7232RA-VE12071
IC-E16 CX23043
IC-E24 SN74HC04N
IC-F27 SN74HC00N
TP6
IC-E29 SN74HC08N
IC-F40 AM26LS32PC
IC-E32 SN74LS74N
T6, A31c A31c SY SCK +
T6, A31b A31b SY SCK −
IC-H35 SN74LS04N
R17 10K
R47 10K
FROM 1/3 40 SHMRCK5
IC-G29 SN74HC74N
IC-F29 SN74HC04N
IC-F28 SN74HC04N
IC-H35 SN74LS04N
IC-G28 SN74LS10N
IC-G35 SN74HC74N
IC-F29 SN74HC04N
IC-E30 SN74HC04N
IC-G30 SN74HC74N
IC-G36 SN74HC08N
IC-F28 SN74HC04N
IC-E11 PAL16L8B-VE12021
IC-D11 PAL16L8B-VE12021
IC-E9 PAL16L8B-VE12021
IC-D9 PAL16L8B-VE12021
IC-E7 PAL16L8B-VE12021
IC-D7 PAL16L8B-VE12021
IC-E6 PAL16L8B-VE12021
ADDRESS SELECTOR
IC-D14 CX23043
IC-D13 CX23043
IC-E14 CX23043
IC-E13 CX23043
SYNC C 44 TO 3/3
SYNC A 45 TO 3/3
L/S C 46 TO 3/3
L/S A 47 TO 3/3
YII A ADRS 13 … YII A ADRS 0 48–61 TO 3/3
YII B ADRS 13 … YII B ADRS 0 62–75 TO 3/3
YII C ADRS 13 … YII C ADRS 0 76–89 TO 3/3
YII D ADRS 13 … YII D ADRS 0 90–103 TO 3/3
WEA; L 104 TO 3/3
WEB; L 105 TO 3/3
WENA 106 TO 3/3
RPARAA 107 TO 3/3
CSA; L 108 TO 3/3
SSB; L 109 TO 3/3
WEC; L 110 TO 3/3
WED; L 111 TO 3/3
WENC 112 TO 3/3
RPARAC 113 TO 3/3
CSC; L 114 TO 3/3
CSD; L 115 TO 3/3
PCK 0 116 TO 3/3
PCK 1 117 TO 3/3
PCK 2 118 TO 3/3
IC-E26 SN74HC04N
IC-F28 SN74HC04N
IC-F29 SN74HC04N
IC-H30 SN74HC04N
IC-G27 SN74HC08N
IC-E30 SN74HC04N
R45 10K
R43 10K
R42 10K
R88 10K
R39 10K

VE-12BOARD (2/3)
BOARD NO.1-620-917-12, 13
DVPC-1000 (J) : #10601-
DVPC-1000 (U/C) : #10901-
DVPC-1000 (EK) : #10901-

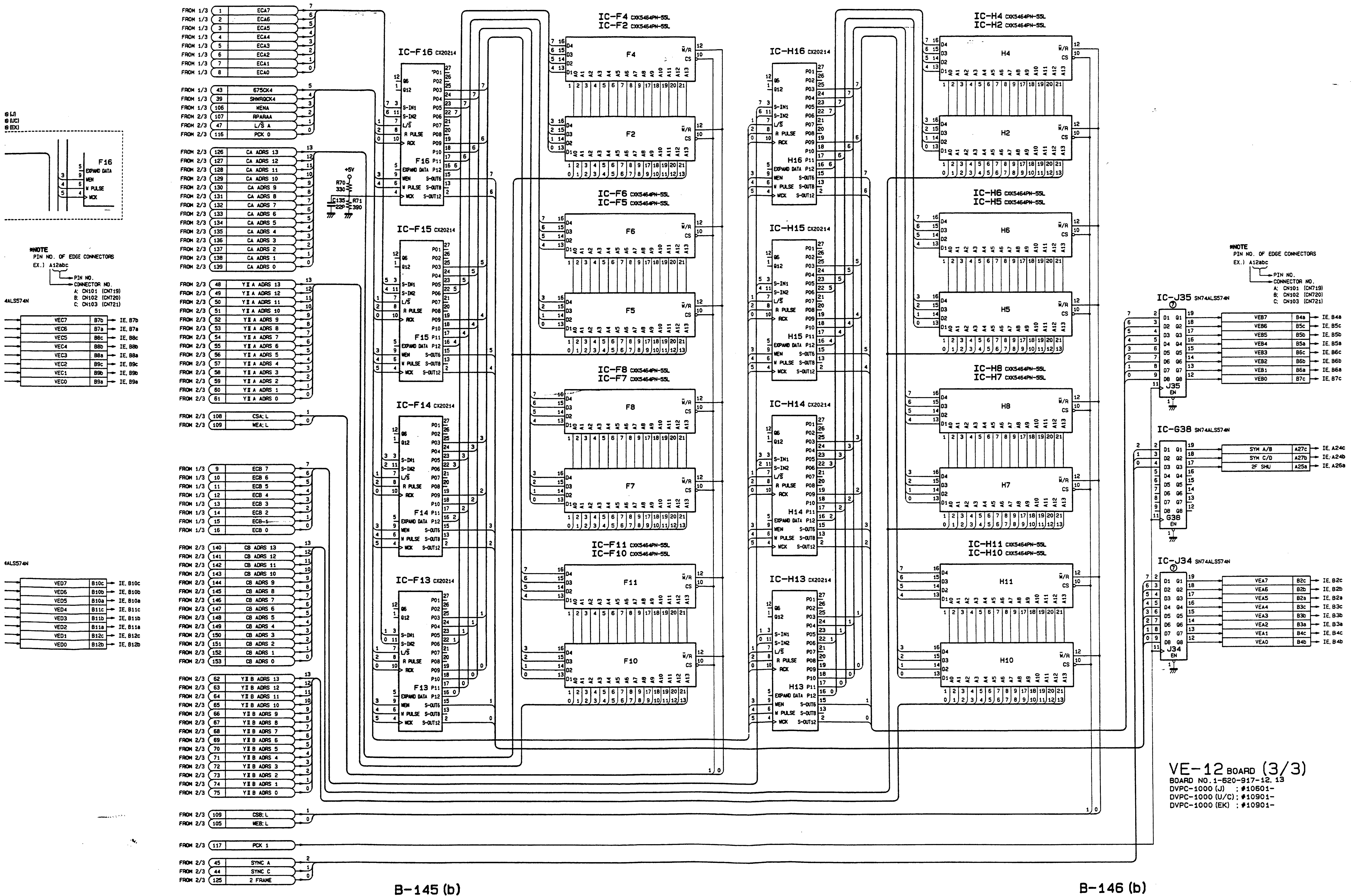
VE-12 BOARD (3/3)

Video Outer Encoder

# 10601 & UP (J)
# 10901 & UP (UC)
# 10901 & UP (EK)


#10601-21299 (J)
#10901-20999 (UC)
#10901-11199 (EK)
J16
F16
EXPAND DATA
MEN
W PULSE
WCK
IC-J16 CX20214
IC-J15 CX20214
IC-J14 CX20214
IC-J13 CX20214
IC-K16 CX20214
IC-K15 CX20214
IC-K14 CX20214
IC-K13 CX20214
IC-J4 CXK5464PN-55L
IC-J2 CXK5464PN-55L
IC-J6 CXK5464PN-55L
IC-J5 CXK5464PN-55L
IC-J8 CXK5464PN-55L
IC-J7 CXK5464PN-55L
IC-J11 CXK5464PN-55L
IC-J10 CXK5464PN-55L
IC-K4 CXK5464PN-55L
IC-K2 CXK5464PN-55L
IC-K6 CXK5464PN-55L
IC-K5 CXK5464PN-55L
IC-K8 CXK5464PN-55L
IC-K7 CXK5464PN-55L
IC-K11 CXK5464PN-55L
IC-K10 CXK5464PN-55L
IC-J36 SN74ALS574N
IC-J38 SN74ALS574N
+5V
R72 330
R73 390
C136 22P
FROM 1/3
FROM 2/3
ECC7
ECC6
ECC5
ECC4
ECC3
ECC2
ECC1
ECC0
675CK5
SHWRQCK3
WENC
RPARAC
L/S C
PCK 2
CC ADRS 13
CC ADRS 12
CC ADRS 11
CC ADRS 10
CC ADRS 9
CC ADRS 8
CC ADRS 7
CC ADRS 6
CC ADRS 5
CC ADRS 4
CC ADRS 3
CC ADRS 2
CC ADRS 1
CC ADRS 0
YII C ADRS 13
YII C ADRS 0
CSC; L
WEC; L
ECD7
ECD6
ECD5
ECD4
ECD3
ECD2
ECD1
ECD0
CD ADRS 13
CD ADRS 0
YII D ADRS 13
YII D ADRS 0
CSD; L
WED; L
PCK 1
VEC7
VEC6
VEC5
VEC4
VEC3
VEC2
VEC1
VEC0
VED7
VED6
VED5
VED4
VED3
VED2
VED1
VED0
#NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN719)
B: CN102 (CN720)
C: CN103 (CN721)

CARD RACK **VE-12 (3/3)** BOARD ▤ **VE-12 (3/3)** BOARD CARD RACK

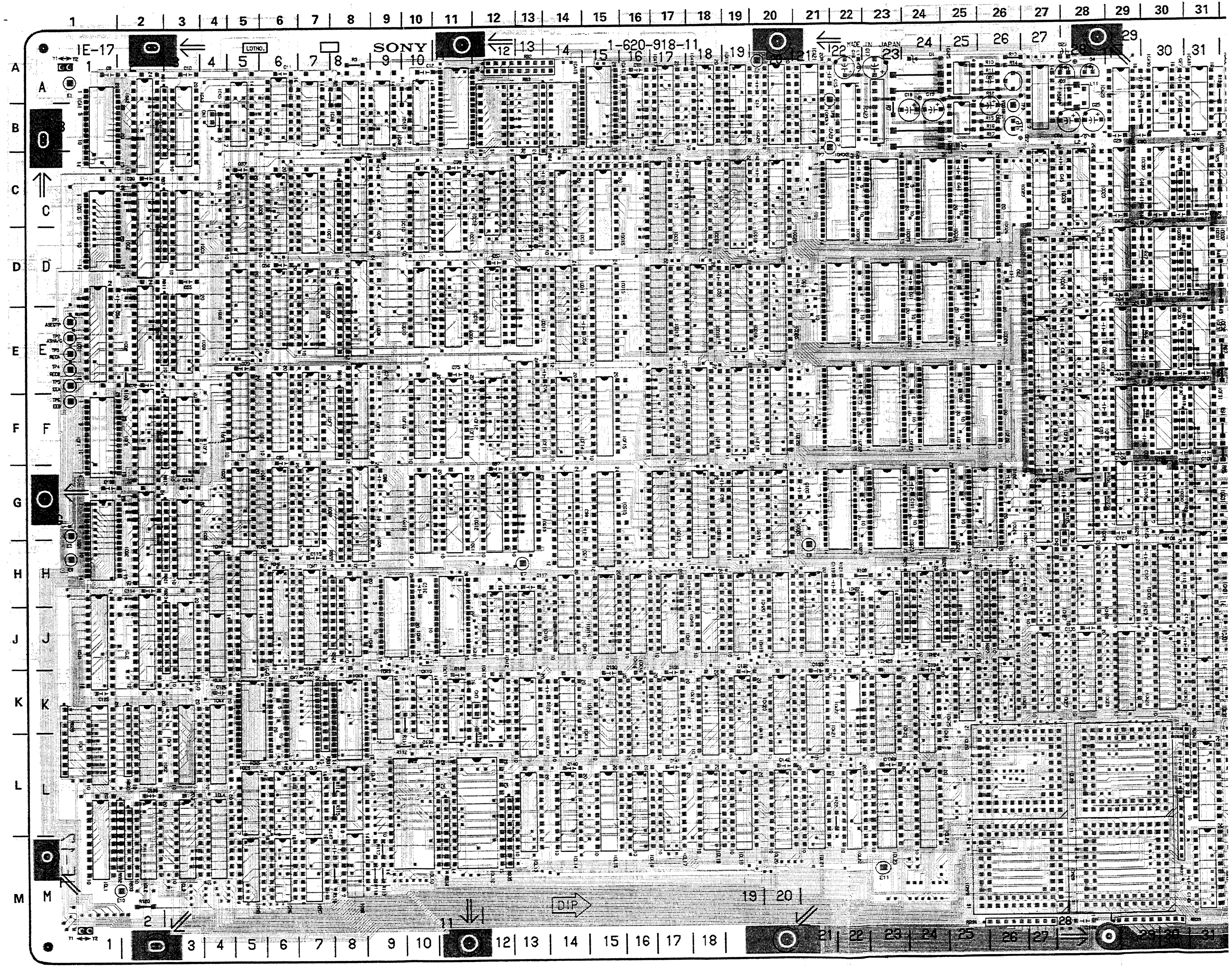

IC-F4 CXK5464PN-55L
IC-F2 CXK5464PN-55L
IC-F16 CX20214
IC-F6 CXK5464PN-55L
IC-F5 CXK5464PN-55L
IC-F15 CX20214
IC-F8 CXK5464PN-55L
IC-F7 CXK5464PN-55L
IC-F14 CX20214
IC-F11 CXK5464PN-55L
IC-F10 CXK5464PN-55L
IC-F13 CX20214
IC-H4 CXK5464PN-55L
IC-H2 CXK5464PN-55L
IC-H16 CX20214
IC-H6 CXK5464PN-55L
IC-H5 CXK5464PN-55L
IC-H15 CX20214
IC-H8 CXK5464PN-55L
IC-H7 CXK5464PN-55L
IC-H14 CX20214
IC-H11 CXK5464PN-55L
IC-H10 CXK5464PN-55L
IC-H13 CX20214
IC-J35 SN74ALS574N
IC-G38 SN74ALS574N
IC-J34 SN74ALS574N
+5V
R70 330
R71 390
C135 22P
FROM 1/3 ECA7
FROM 1/3 ECA6
FROM 1/3 ECA5
FROM 1/3 ECA4
FROM 1/3 ECA3
FROM 1/3 ECA2
FROM 1/3 ECA1
FROM 1/3 ECA0
FROM 1/3 675CK4
FROM 1/3 SHWRQCK4
FROM 1/3 WENA
FROM 2/3 RPARAA
FROM 2/3 L/S A
FROM 2/3 PCK 0
FROM 2/3 CA ADRS 13 … CA ADRS 0
FROM 2/3 YII A ADRS 13 … YII A ADRS 0
FROM 2/3 CSA; L
FROM 2/3 WEA; L
FROM 1/3 ECB 7 … ECB 0
FROM 2/3 CB ADRS 13 … CB ADRS 0
FROM 2/3 YII B ADRS 13 … YII B ADRS 0
FROM 2/3 CSB; L
FROM 2/3 WEB; L
FROM 2/3 PCK 1
FROM 2/3 SYNC A
FROM 2/3 SYNC C
FROM 2/3 2 FRAME
VEB7 B4a IE, B4a
VEB6 B5c IE, B5c
VEB5 B5b IE, B5b
VEB4 B5a IE, B5a
VEB3 B6c IE, B6c
VEB2 B6b IE, B6b
VEB1 B6a IE, B6a
VEB0 B7c IE, B7c
SYM A/B A27c IE, A24c
SYM C/D A27b IE, A24b
2F SHU A25a IE, A26a
VEA7 B2c IE, B2c
VEA6 B2b IE, B2b
VEA5 B2a IE, B2a
VEA4 B3c IE, B3c
VEA3 B3b IE, B3b
VEA2 B3a IE, B3a
VEA1 B4c IE, B4c
VEA0 B4b IE, B4b
VEC7 B7b IE, B7b
VEC6 B7a IE, B7a
VEC5 B8c IE, B8c
VEC4 B8b IE, B8b
VEC3 B8a IE, B8a
VEC2 B9c IE, B9c
VEC1 B9b IE, B9b
VEC0 B9a IE, B9a
VED7 B10c IE, B10c
VED6 B10b IE, B10b
VED5 B10a IE, B10a
VED4 B11c IE, B11c
VED3 B11b IE, B11b
VED2 B11a IE, B11a
VED1 B12c IE, B12c
VED0 B12b IE, B12b
F16 EXPAND DATA WEN W PULSE WCK
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN719)
B: CN102 (CN720)
C: CN103 (CN721)
B-145 (b)
B-146 (b)

VE-12 BOARD (3/3)
BOARD NO. 1-620-917-12, 13
DVPC-1000 (J) : #10601-
DVPC-1000 (U/C) : #10901-
DVPC-1000 (EK) : #10901-

IE-17 BOARD (1-620-918-11)

Component Side

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)


1
2
3
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11
12
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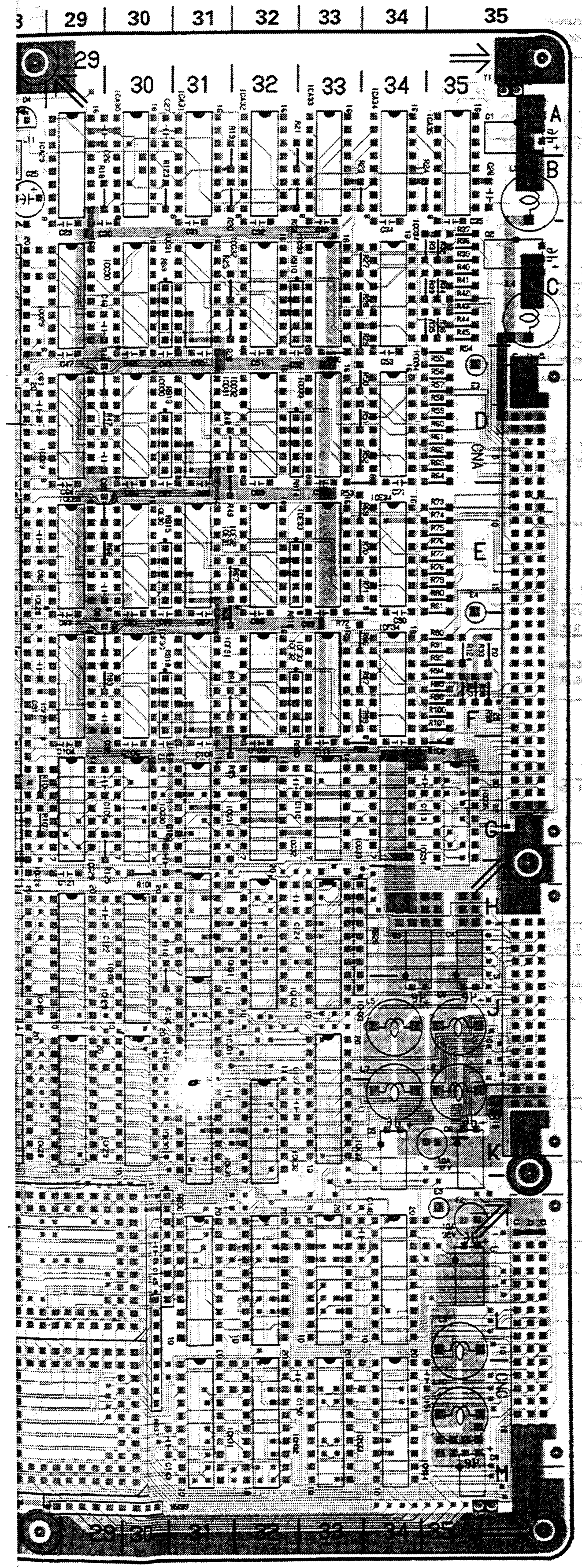
20
21
22
23
24
25
26
27
28
29
30
31
A
B
C
D
E
F
G
H
J
K
L
M
IE-17
SONY
1-620-918-11
MADE IN JAPAN
DIP

1-620-918-11 COMPONENT SIDE



1-620-918-11 SOLDER SIDE

IE-17 (1-620-918-11)

DVPC-1000

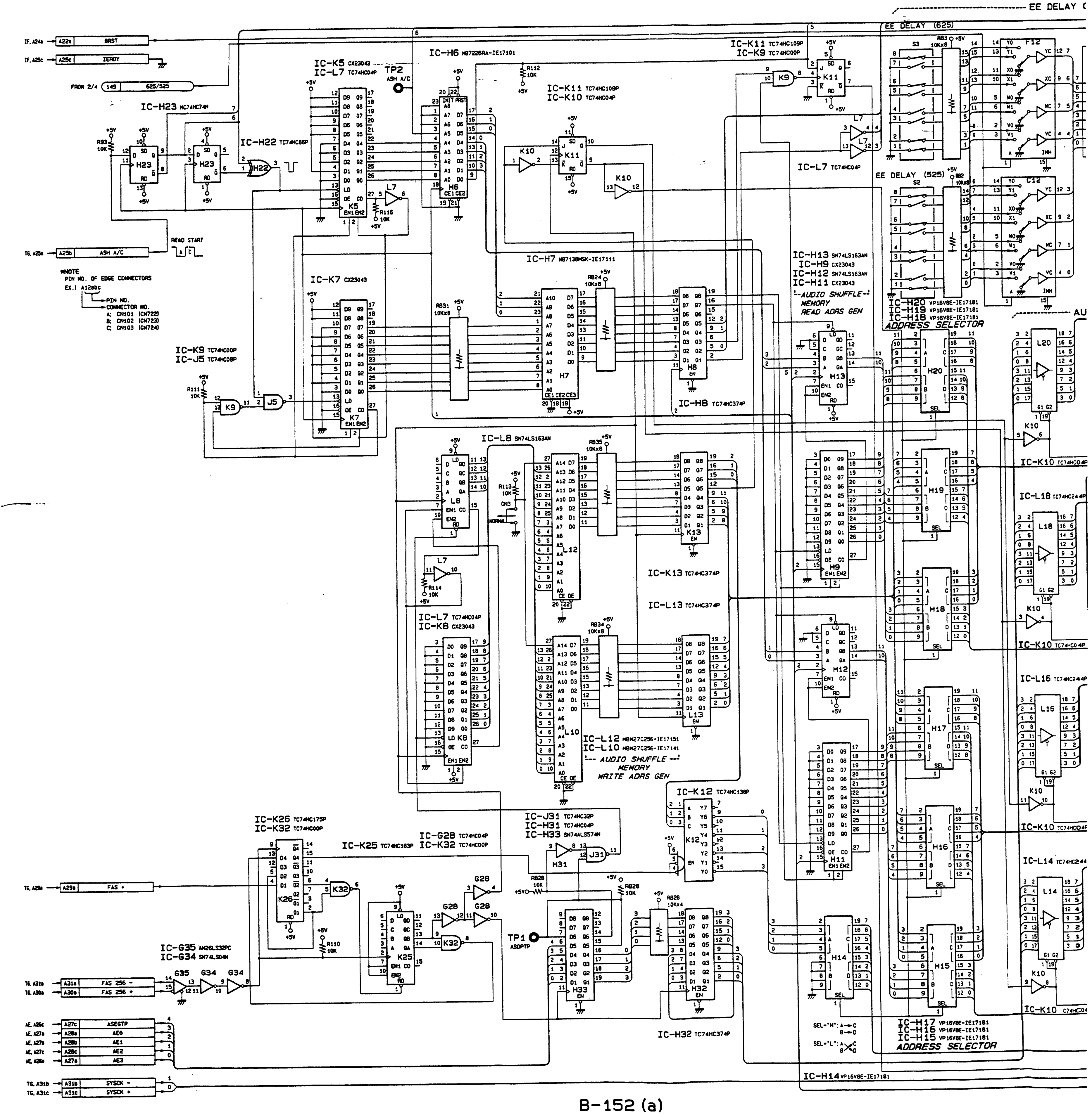
CN1	B4
CN2	E27
CN3	K11
D1	A24
E1	A1
E2	A20
E3	D35
E4	E35
E5	G1
E6	H1
E7	H13
E8	H21
E9	L35
E10	M1
E11	M23
F1	K35
F2	L35
RB1	B2
RB2	A12
RB3	A12
RB7	C2
RB8	C8
RB9	C30
RB10	C32
RB11	E2
RB12	E8
RB13	D30
RB14	D32
RB15	E30
RB16	E32
RB17	F2
RB18	F8
RB19	F30
RB20	F32
RB21	G2
RB22	G8
RB23	J2
RB24	J8
RB25	J23
RB26	J24
RB27	J25
RB28	H33
RB29	L1
RB30	L2
RB31	K7
RB32	L1
RB33	M2
RB34	L11
RB35	L12
RB36	L30
RB37	M30
RB38	M26
RB39	M29
RV1	A26
S1	B12
S2	B13
S3	B14
TP1	E1
TP2	E1
TP3	E1
TP4	E1
TP5	E1
TP6	F1
TP7	C22
TP8	B22
TP9	B26

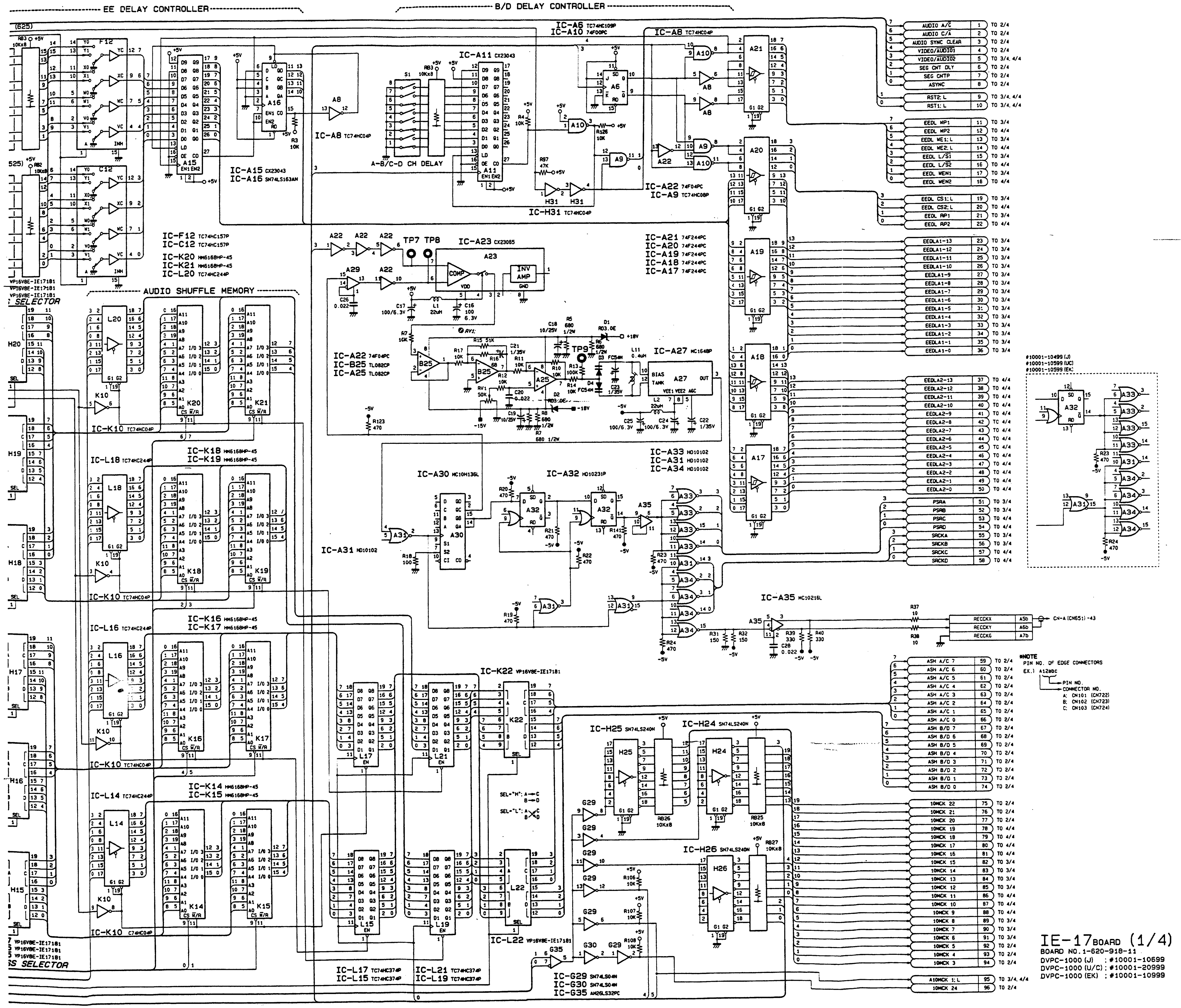
Ref. No.	Pin No.				
	+18V	+5V	GND	−5V	−18V
IC A1		28	14		
IC A2		24	12		
IC A3		20	10		
IC A5		14	7		
IC A6		16	8		
IC A7		14	7		
IC A8		14	7		
IC A9		14	7		
IC A10		14	7		
IC A11		28	14		
IC A15		28	14		
IC A16		16	8		
IC A17		20	10		
IC A18		20	10		
IC A19		20	10		
IC A20		20	10		
IC A21		20	10		
IC A22		14	7		
IC A23		5	8		
IC A25	8				4
IC A27	Refer to schematic diagram.				
IC A29		9	16	8	
IC A30			1, 16	8	
IC A31			1, 16	8	
IC A32			1, 16	8	
IC A33			1, 16	8	
IC A34			1, 16	8	
IC A35			1, 16	8	
IC B25	8				4
IC C1		28	14		
IC C2		24	12		
IC C3		20	10		
IC C5		20	10		
IC C6		20	10		
IC C7		20	10		
IC C8		24	12		
IC C10		20	10		
IC C11		20	10		
IC C12		16	8		
IC C13		24	12		
IC C14		20	10		
IC C15		20	10		
IC C17		22	11		
IC C18		22	11		
IC C19		22	11		
IC C20		22	11		
IC C22		28	14		
IC C23		28	14		
IC C24		28	14		
IC C26		28	14		
IC C27		20	10		
IC C28		20	10		
IC C29		9	16	8	
IC C30			1, 16	8	
IC C31		9	16	8	
IC C32			1, 16	8	
IC C33			1, 16	8	
IC C34			1, 16	8	
IC D1		24	12		
IC D2		24	12		
IC D3		20	10		
IC D5		20	10		
IC D6		20	10		
IC D7		20	10		
IC D8		24	12		
IC D10		20	10		
IC D11		20	10		
IC D12		20	10		
IC D13		20	10		
IC D14		18	7		
IC D15		18	7		
IC D17		22	11		
IC D18		22	11		
IC D19		22	11		
IC D20		22	11		
IC D22		28	14		
IC D23		28	14		
IC D24		28	14		
IC D26		28	14		
IC D27		20	10		
IC D28		20	10		
IC D29		9	16	8	
IC D30			1, 16	8	
IC D31		9	16	8	
IC D32			1, 16	8	
IC D33			1, 16	8	
IC D34			1, 16	8	
IC E27		20	10		
IC E28		20	10		
IC E29		9	16	8	
IC E30			1, 16	8	
IC E31		9	16	8	
IC E32			1, 16	8	
IC E33			1, 16	8	
IC E34			1, 16	8	
IC F1		28	14		
IC F2		24	12		
IC F3		20	10		
IC F5		20	10		
IC F6		20	10		
IC F7		20	10		
IC F8		24	12		
IC F10		20	10		
IC F11		20	10		
IC F12		16	8		
IC F13		24	12		
IC F14		20	10		
IC F15		20	10		
IC F17		22	11		
IC F18		22	11		
IC F19		22	11		
IC F20		22	11		
IC F22		28	14		
IC F23		28	14		
IC F24		28	14		
IC F26		28	14		
IC F27		20	10		
IC F28		20	10		
IC F29		9	16	8	
IC F30			1, 16	8	
IC F31		9	16	8	
IC F32			1, 16	8	
IC F33			1, 16	8	
IC F34			1, 16	8	
IC G1		28	14		
IC G2		24	12		
IC G3		20	10		
IC G5		20	10		
IC G6		20	10		
IC G7		20	10		
IC G8		24	12		
IC G10		20	10		
IC G11		20	10		
IC G12		20	10		
IC G13		20	10		
IC G14		18	7		
IC G15		18	7		
IC G17		22	11		
IC G18		22	11		
IC G19		22	11		
IC G20		22	11		
IC G22		28	14		
IC G23		28	14		
IC G24		28	14		
IC G26		28	14		
IC G27		14	7		
IC G28		14	7		
IC G29		14	7		
IC G30		14	7		
IC G31		9	16	8	
IC G32		14	7		
IC G33		14	7		
IC G34		14	7		
IC G35		16	8		
IC H4		14	7		
IC H5		14	7		
IC H6		24	12		
IC H7		24	12		
IC H8		20	10		
IC H9		28	14		
IC H11		28	14		
IC H12		16	8		
IC H13		16	8		
IC H14		20	10		
IC H15		20	10		
IC H16		20	10		
IC H17		20	10		
IC H18		20	10		
IC H19		20	10		
IC H20		20	10		
IC H21		20	10		
IC H22		14	7		
IC H23		14	7		
IC H24		20	10		
IC H25		20	10		
IC H26		20	10		
IC H27		20	10		
IC H28		20	10		
IC H29		20	10		
IC H30		20	10		
IC H31		14	7		
IC H32		20	10		
IC H33		20	10		
IC J1		24	12		
IC J2		24	12		
IC J3		20	10		
IC J4		14	7		
IC J5		14	7		
IC J31		14	7		
IC K1		20	10		
IC K2		20	10		
IC K3		20	10		
IC K4		20	10		
IC K5		28	14		
IC K7		28	14		
IC K8		28	14		
IC K9		14	7		
IC K10		14	7		
IC K11		16	8		
IC K12		16	8		
IC K13		20	10		
IC K14		20	10		
IC K15		20	10		
IC K16		20	10		
IC K17		20	10		
IC K18		20	10		
IC K19		20	10		
IC K20		20	10		
IC K21		20	10		
IC K22		20	10		
IC K23		20	10		
IC K24		20	10		
IC K25		16	8		
IC K26		16	8		
IC K27		20	10		
IC K28		20	10		
IC K29		20	10		
IC K30		20	10		
IC K31		14	7		
IC K32		14	7		
IC K33		20	10		
IC L1		20	10		
IC L2		20	10		
IC L3		20	10		
IC L4		20	10		
IC L5		14	7		
IC L6		14	7		
IC L7		14	7		
IC L8		16	8		
IC L10		1, 28	14		
IC L12		1, 28	14		
IC L13		20	10		
IC L14		20	10		
IC L15		20	10		
IC L16		20	10		
IC L17		20	10		
IC L18		20	10		
IC L19		20	10		
IC L20		20	10		
IC L21		20	10		
IC L22		20	10		
IC L23		20	10		
IC L24		20	10		
IC L26		41, 49, 57, 65,	42, 48, 58, 64		
IC L29		41, 49, 57, 65	42, 48, 58, 64		
IC L31		20	10		
IC L32		20	10		
IC L33		20	10		
IC L34		20	10		
IC M5		16	8		
IC M6		16	8		
IC M7		16	8		
IC M8		14	7		
IC M26		41, 49, 57, 65	42, 48, 58, 64		
IC M29		41, 49, 57, 65	42, 48, 58, 64		
IC M31		20	10		
IC M32		20	10		
IC M33		20	10		
IC M34		20	10		

IE-17 BOARD (1/4)

Inner Encoder

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)


EE DELAY
EE DELAY (625)
EE DELAY (525)
BRST
IERDY
FROM 2/4
625/525
ASH A/C
READ START
NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN722)
B: CN102 (CN723)
C: CN103 (CN724)
IC-H23 TC74HC74N
IC-H22 TC74HC86P
IC-K5 CX23043
IC-L7 TC74HC04P
TP2
IC-H6 MB7226RA-IE17101
IC-K11 TC74HC109P
IC-K9 TC74HC00P
IC-K10 TC74HC04P
IC-L7 TC74HC04P
IC-H7 MB7138HSK-IE17111
IC-K7 CX23043
IC-K9 TC74HC00P
IC-J5 TC74HC08P
IC-H8 TC74HC374P
IC-H13 SN74LS163AN
IC-H9 CX23043
IC-H12 SN74LS163AN
IC-H11 CX23043
AUDIO SHUFFLE MEMORY READ ADRS GEN
IC-H20 VP16V8E-IE17181
IC-H19 VP16V8E-IE17181
IC-H18 VP16V8E-IE17181
ADDRESS SELECTOR
IC-L8 SN74LS163AN
IC-K13 TC74HC374P
IC-L13 TC74HC374P
IC-L7 TC74HC04P
IC-K8 CX23043
IC-L12 MBM27C256-IE17151
IC-L10 MBM27C256-IE17141
AUDIO SHUFFLE MEMORY WRITE ADRS GEN
IC-K12 TC74HC138P
IC-K26 TC74HC175P
IC-K32 TC74HC00P
IC-K25 TC74HC163P
IC-G28 TC74HC04P
IC-K32 TC74HC00P
IC-J31 TC74HC32P
IC-H31 TC74HC04P
IC-H33 SN74ALS574N
IC-G35 AM26LS32PC
IC-G34 SN74LS04N
TP1
ASDPTP
IC-H32 TC74HC374P
IC-H17 VP16V8E-IE17181
IC-H16 VP16V8E-IE17181
IC-H15 VP16V8E-IE17181
ADDRESS SELECTOR
IC-H14 VP16V8E-IE17181
SEL="H": A→C B→D
SEL="L": A↘C B↗D
IC-K10 TC74HC04P
IC-L18 TC74HC244P
IC-L16 TC74HC244P
IC-L14 TC74HC244
FAS +
FAS 256 -
FAS 256 +
ASEGTP
AE0
AE1
AE2
AE3
SYSCK -
SYSCK +
AU


EE DELAY CONTROLLER
B/D DELAY CONTROLLER
AUDIO SHUFFLE MEMORY
A-B/C-D CH DELAY
SELECTOR
SS SELECTOR
IC-F12 TC74HC157P
IC-C12 TC74HC157P
IC-K20 HM6168HP-45
IC-K21 HM6168HP-45
IC-L20 TC74HC244P
IC-A15 CX23043
IC-A16 SN74LS163AN
IC-A8 TC74HC04P
IC-A11 CX23043
IC-A6 TC74HC109P
IC-A10 74F00PC
IC-H31 TC74HC04P
IC-A22 74F04PC
IC-A9 TC74HC08P
IC-A21 74F244PC
IC-A20 74F244PC
IC-A19 74F244PC
IC-A18 74F244PC
IC-A17 74F244PC
IC-A23 CX23065
IC-A22 74F04PC
IC-B25 TL082CP
IC-A25 TL082CP
IC-A27 MC1648P
IC-A30 MC10H136L
IC-A32 MC10231P
IC-A31 MC10102
IC-A33 MC10102
IC-A34 MC10102
IC-A35 MC10216L
IC-K18 HM6168HP-45
IC-K19 HM6168HP-45
IC-K16 HM6168HP-45
IC-K17 HM6168HP-45
IC-K14 HM6168HP-45
IC-K15 HM6168HP-45
IC-L18 TC74HC244P
IC-L16 TC74HC244P
IC-L14 TC74HC244P
IC-K10 TC74HC04P
IC-K22 VP16VBE-IE17181
IC-L22 VP16VBE-IE17181
IC-L17 TC74HC374P
IC-L15 TC74HC374P
IC-L21 TC74HC374P
IC-L19 TC74HC374P
IC-H25 SN74LS240N
IC-H24 SN74LS240N
IC-H26 SN74LS240N
IC-G29 SN74LS04N
IC-G30 SN74LS04N
IC-G35 AM26LS32PC
TP7
TP8
TP9
COMP
INV AMP
BIAS TANK
SEL="H": A→C B→D
SEL="L": A→C B→D
AUDIO A/C̄ 1 TO 2/4
AUDIO C/Ā 2 TO 2/4
AUDIO SYNC CLEAR 3 TO 2/4
VIDEO/AUDIO1 4 TO 2/4
VIDEO/AUDIO2 5 TO 3/4, 4/4
SEG CNT DLY 6 TO 2/4
SEG CNTP 7 TO 2/4
ASYNC 8 TO 2/4
RST2: L 9 TO 3/4, 4/4
RST1: L 10 TO 3/4, 4/4
EEDL MP1 11 TO 3/4
EEDL MP2 12 TO 4/4
EEDL ME1: L 13 TO 3/4
EEDL ME2: L 14 TO 4/4
EEDL L/S1 15 TO 3/4
EEDL L/S2 16 TO 4/4
EEDL WEN1 17 TO 3/4
EEDL WEN2 18 TO 4/4
EEDL CS1: L 19 TO 3/4
EEDL CS2: L 20 TO 4/4
EEDL AP1 21 TO 3/4
EEDL AP2 22 TO 4/4
EEDLA1-13 … EEDLA1-0 23–36 TO 3/4
EEDLA2-13 … EEDLA2-0 37–50 TO 4/4
PSRA 51 TO 3/4
PSRB 52 TO 3/4
PSRC 53 TO 4/4
PSRD 54 TO 4/4
SRCKA 55 TO 3/4
SRCKB 56 TO 3/4
SRCKC 57 TO 4/4
SRCKD 58 TO 4/4
RECCKX A5b
RECCKY A6b
RECCKG A7b
CN-A (CN651) -43
ASH A/C 7 … ASH A/C 0 59–66 TO 2/4
ASH B/D 7 … ASH B/D 0 67–74 TO 2/4
10MCK 22 … 10MCK 3 75–94
A10MCK 1: L 95 TO 3/4, 4/4
10MCK 24 96 TO 2/4
#10001-10499 (J)
#10001-10599 (UC)
#10001-10599 (EK)
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN722)
B: CN102 (CN723)
C: CN103 (CN724)

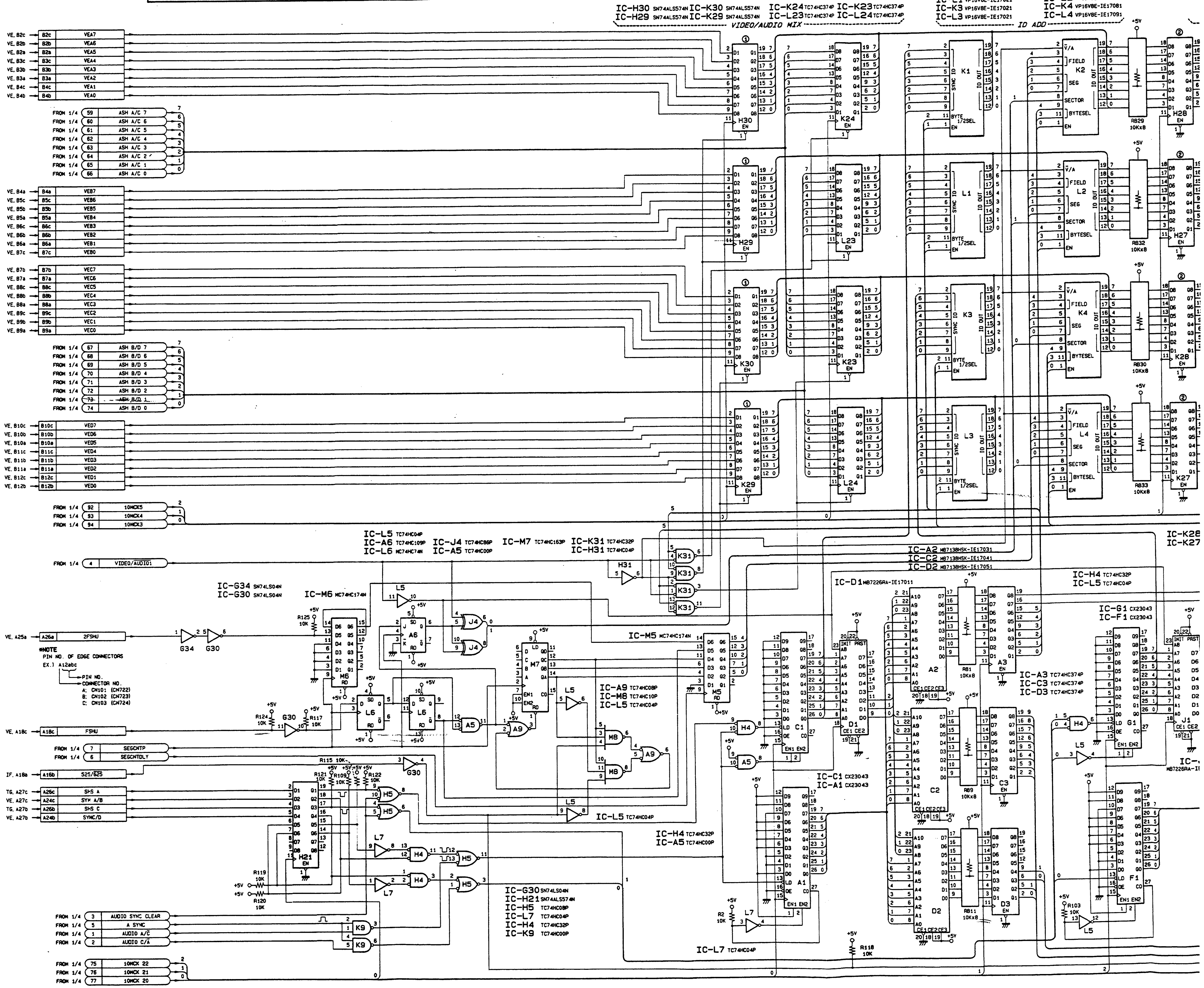
IE-17BOARD (1/4)
BOARD NO. 1-620-918-11
DVPC-1000 (J) : #10001-10699
DVPC-1000 (U/C) : #10001-20999
DVPC-1000 (EK) : #10001-10999

IE-17 BOARD (2/4)

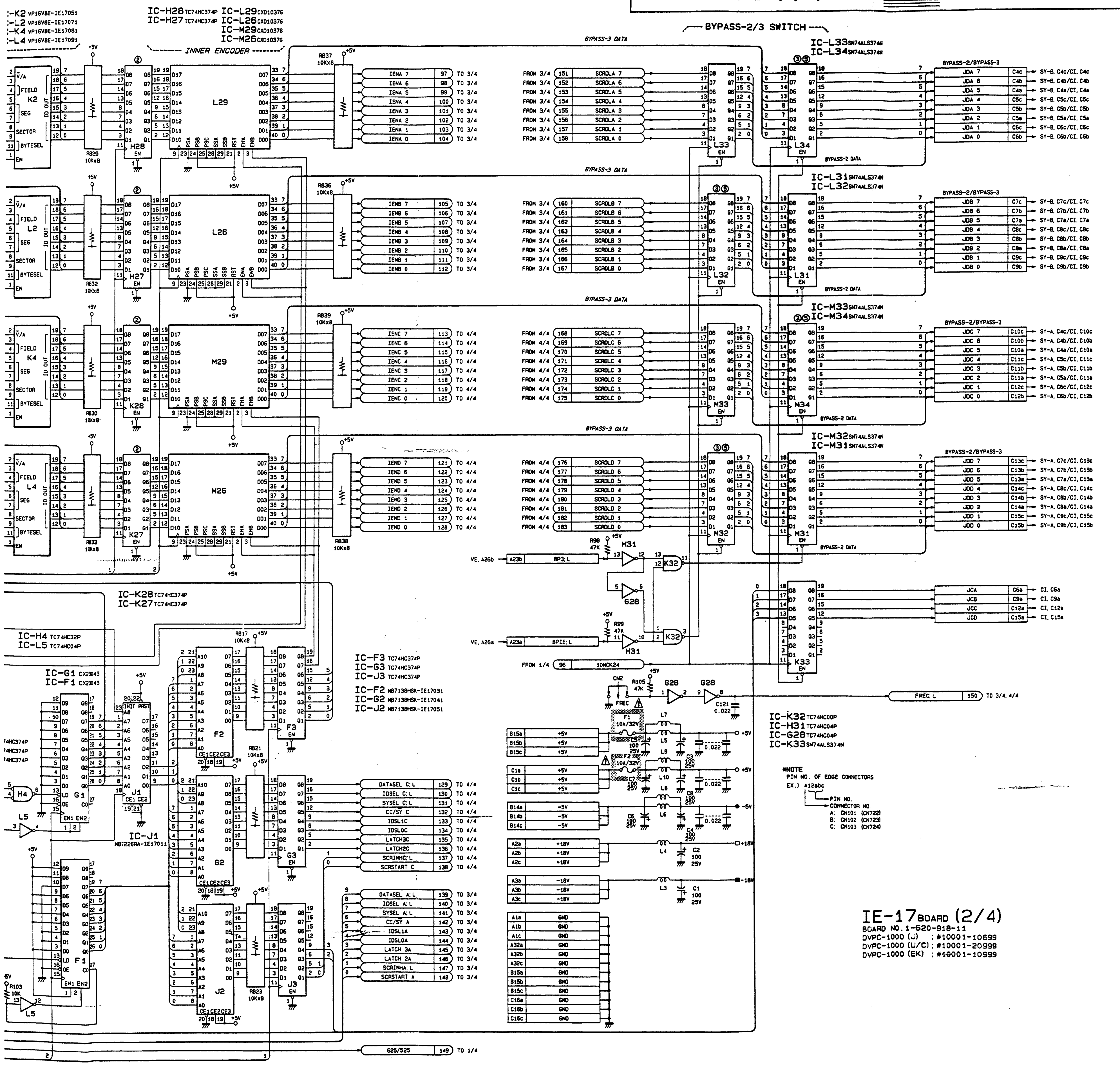
Inner Encoder

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

CARD RACK IE-17 (2/4) BOARD — IE-17 (2/4) BOARD CARD RACK



IC-H30 SN74ALS574N IC-K30 SN74ALS574N IC-K24 TC74HC374P IC-K23 TC74HC374P
IC-H29 SN74ALS574N IC-K29 SN74ALS574N IC-L23 TC74HC374P IC-L24 TC74HC374P
VIDEO/AUDIO MIX
IC-K1 VP16V8E-IE17021 IC-K2 VP16V8E-IE17051
IC-L1 VP16V8E-IE17021 IC-L2 VP16V8E-IE17071
IC-K3 VP16V8E-IE17021 IC-K4 VP16V8E-IE17081
IC-L3 VP16V8E-IE17021 IC-L4 VP16V8E-IE17091
ID ADD
IC-L5 TC74HC04P
IC-A6 TC74HC109P
IC-L6 MC74HC74N
IC-J4 TC74HC86P
IC-A5 TC74HC00P
IC-M7 TC74HC163P
IC-K31 TC74HC32P
IC-H31 TC74HC04P
IC-G34 SN74LS04N
IC-G30 SN74LS04N
IC-M6 MC74HC174N
IC-M5 MC74HC174N
IC-A9 TC74HC08P
IC-M8 TC74HC10P
IC-L5 TC74HC04P
IC-A2 MB7138HSK-IE17031
IC-C2 MB7138HSK-IE17041
IC-D2 MB7138HSK-IE17051
IC-D1 MB7226RA-IE17011
IC-C1 CX23043
IC-A1 CX23043
IC-A3 TC74HC374P
IC-C3 TC74HC374P
IC-D3 TC74HC374P
IC-H4 TC74HC32P
IC-L5 TC74HC04P
IC-G1 CX23043
IC-F1 CX23043
IC-H4 TC74HC32P
IC-A5 TC74HC00P
IC-G30 SN74LS04N
IC-H21 SN74ALS574N
IC-H5 TC74HC08P
IC-L7 TC74HC04P
IC-H4 TC74HC32P
IC-K9 TC74HC00P
IC-L7 TC74HC04P
VEA7 VEA6 VEA5 VEA4 VEA3 VEA2 VEA1 VEA0
ASH A/C 7 … ASH A/C 0
VEB7 … VEB0
VEC7 … VEC0
ASH B/D 7 … ASH B/D 0
VED7 … VED0
10MCK5 10MCK4 10MCK3
VIDEO/AUDIO1
2FSMU
FSMU
SEGCNTP
SEGCNTDLY
525/625
SHS A
SYH A/B
SHS C
SYNC/D
AUDIO SYNC CLEAR
A SYNC
AUDIO A/C
AUDIO C/A
10MCK 22 10MCK 21 10MCK 20
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN722)
B: CN102 (CN723)
C: CN103 (CN724)
RB29 10Kx8
RB32 10Kx8
RB30 10Kx8
RB33 10Kx8
RB1 10Kx8
RB9 10Kx8
RB11 10Kx8
R125 10K
R124 10K
R117 10K
R115 10K
R121 10K
R109 10K
R122 10K
R119 10K
R120 10K
R2 10K
R118 10K
R103 10K
+5V


IC-K2 VP16V8E-IE17051
IC-L2 VP16V8E-IE17071
IC-K4 VP16V8E-IE17081
IC-L4 VP16V8E-IE17091
IC-H28 TC74HC374P
IC-H27 TC74HC374P
IC-L29 CXD10376
IC-L26 CXD10376
IC-M29 CXD10376
IC-M26 CXD10376
INNER ENCODER
BYPASS-2/3 SWITCH
BYPASS-3 DATA
BYPASS-2 DATA
BYPASS-2/BYPASS-3
IC-L33 SN74ALS374N
IC-L34 SN74ALS374N
IC-L31 SN74ALS374N
IC-L32 SN74ALS374N
IC-M33 SN74ALS374N
IC-M34 SN74ALS374N
IC-M32 SN74ALS374N
IC-M31 SN74ALS374N
V/A
FIELD
SEG
SECTOR
BYTESEL
EN
ID OUT
K2
L2
K4
L4
H28
H27
K28
K27
L29
L26
M29
M26
PSA PSB PSC SSA SSB RST ENA ENB
R829 10Kx8
R832 10Kx8
R830 10Kx8
R833 10Kx8
R837 10Kx8
R836 10Kx8
R839 10Kx8
R838 10Kx8
+5V
IENA 7 97 TO 3/4
IENA 6 98 TO 3/4
IENA 5 99 TO 3/4
IENA 4 100 TO 3/4
IENA 3 101 TO 3/4
IENA 2 102 TO 3/4
IENA 1 103 TO 3/4
IENA 0 104 TO 3/4
IENB 7 105 TO 3/4
IENB 6 106 TO 3/4
IENB 5 107 TO 3/4
IENB 4 108 TO 3/4
IENB 3 109 TO 3/4
IENB 2 110 TO 3/4
IENB 1 111 TO 3/4
IENB 0 112 TO 3/4
IENC 7 113 TO 4/4
IENC 6 114 TO 4/4
IENC 5 115 TO 4/4
IENC 4 116 TO 4/4
IENC 3 117 TO 4/4
IENC 2 118 TO 4/4
IENC 1 119 TO 4/4
IENC 0 120 TO 4/4
IEND 7 121 TO 4/4
IEND 6 122 TO 4/4
IEND 5 123 TO 4/4
IEND 4 124 TO 4/4
IEND 3 125 TO 4/4
IEND 2 126 TO 4/4
IEND 1 127 TO 4/4
IEND 0 128 TO 4/4
FROM 3/4 151 SCROLA 7
FROM 3/4 152 SCROLA 6
FROM 3/4 153 SCROLA 5
FROM 3/4 154 SCROLA 4
FROM 3/4 155 SCROLA 3
FROM 3/4 156 SCROLA 2
FROM 3/4 157 SCROLA 1
FROM 3/4 158 SCROLA 0
FROM 3/4 160 SCROLB 7
FROM 3/4 161 SCROLB 6
FROM 3/4 162 SCROLB 5
FROM 3/4 163 SCROLB 4
FROM 3/4 164 SCROLB 3
FROM 3/4 165 SCROLB 2
FROM 3/4 166 SCROLB 1
FROM 3/4 167 SCROLB 0
FROM 4/4 168 SCROLC 7
FROM 4/4 169 SCROLC 6
FROM 4/4 170 SCROLC 5
FROM 4/4 171 SCROLC 4
FROM 4/4 172 SCROLC 3
FROM 4/4 173 SCROLC 2
FROM 4/4 174 SCROLC 1
FROM 4/4 175 SCROLC 0
FROM 4/4 176 SCROLD 7
FROM 4/4 177 SCROLD 6
FROM 4/4 178 SCROLD 5
FROM 4/4 179 SCROLD 4
FROM 4/4 180 SCROLD 3
FROM 4/4 181 SCROLD 2
FROM 4/4 182 SCROLD 1
FROM 4/4 183 SCROLD 0
L33
L34
L32
L31
M33
M34
M32
M31
JDA 7 C4c SY-B, C4c/CI, C4c
JDA 6 C4b SY-B, C4b/CI, C4b
JDA 5 C4a SY-B, C4a/CI, C4a
JDA 4 C5c SY-B, C5c/CI, C5c
JDA 3 C5b SY-B, C5b/CI, C5b
JDA 2 C5a SY-B, C5a/CI, C5a
JDA 1 C6c SY-B, C6c/CI, C6c
JDA 0 C6b SY-B, C6b/CI, C6b
JDB 7 C7c SY-B, C7c/CI, C7c
JDB 6 C7b SY-B, C7b/CI, C7b
JDB 5 C7a SY-B, C7a/CI, C7a
JDB 4 C8c SY-B, C8c/CI, C8c
JDB 3 C8b SY-B, C8b/CI, C8b
JDB 2 C8a SY-B, C8a/CI, C8a
JDB 1 C9c SY-B, C9c/CI, C9c
JDB 0 C9b SY-B, C9b/CI, C9b
JDC 7 C10c SY-A, C4c/CI, C10c
JDC 6 C10b SY-A, C4b/CI, C10b
JDC 5 C10a SY-A, C4a/CI, C10a
JDC 4 C11c SY-A, C5c/CI, C11c
JDC 3 C11b SY-A, C5b/CI, C11b
JDC 2 C11a SY-A, C5a/CI, C11a
JDC 1 C12c SY-A, C6c/CI, C12c
JDC 0 C12b SY-A, C6b/CI, C12b
JDD 7 C13c SY-A, C7c/CI, C13c
JDD 6 C13b SY-A, C7b/CI, C13b
JDD 5 C13a SY-A, C7a/CI, C13a
JDD 4 C14c SY-A, C8c/CI, C14c
JDD 3 C14b SY-A, C8b/CI, C14b
JDD 2 C14a SY-A, C8a/CI, C14a
JDD 1 C15c SY-A, C9c/CI, C15c
JDD 0 C15b SY-A, C9b/CI, C15b
JCA C6a CI, C6a
JCB C9a CI, C9a
JCC C12a CI, C12a
JCD C15a CI, C15a
K33
VE, A26b A23b BP3; L
VE, A26a A23a BPIE; L
FROM 1/4 96 10HCK24
R98 47K
R99 47K
H31
K32
G28
R105 47K
CN2
FREC
C121 0.022
FREC; L 150 TO 3/4, 4/4
IC-K28 TC74HC374P
IC-K27 TC74HC374P
IC-H4 TC74HC32P
IC-L5 TC74HC04P
IC-G1 CX23043
IC-F1 CX23043
IC-F3 TC74HC374P
IC-G3 TC74HC374P
IC-J3 TC74HC374P
IC-F2 MB7138HSK-IE17031
IC-G2 MB7138HSK-IE17041
IC-J2 MB7138HSK-IE17051
IC-J1 MB7226RA-IE17011
G1
F1
J1
F2
G2
J2
F3
G3
J3
H4
L5
INIT PRST
CE1 CE2 CE3
R817 10Kx8
R821 10Kx8
R823 10Kx8
R103 10K
DATASEL C; L 129 TO 4/4
IDSEL C; L 130 TO 4/4
SYSEL C; L 131 TO 4/4
CC/SY C 132 TO 4/4
IDSL1C 133 TO 4/4
IDSL0C 134 TO 4/4
LATCH3C 135 TO 4/4
LATCH2C 136 TO 4/4
SCRINHC; L 137 TO 4/4
SCRSTART C 138 TO 4/4
DATASEL A; L 139 TO 3/4
IDSEL A; L 140 TO 3/4
SYSEL A; L 141 TO 3/4
CC/SY A 142 TO 3/4
IDSL1A 143 TO 3/4
IDSL0A 144 TO 3/4
LATCH 3A 145 TO 3/4
LATCH 2A 146 TO 3/4
SCRINHA; L 147 TO 3/4
SCRSTART A 148 TO 3/4
625/525 149 TO 1/4
B15a +5V
B15b +5V
B15c +5V
C1a +5V
C1b +5V
C1c +5V
B14a -5V
B14b -5V
B14c -5V
A2a +18V
A2b +18V
A2c +18V
A3a -18V
A3b -18V
A3c -18V
A1a GND
A1b GND
A1c GND
A32a GND
A32b GND
A32c GND
B15a GND
B15b GND
B15c GND
C16a GND
C16b GND
C16c GND
F1 10A/32V
F2 10A/32V
C5 100 25V
C7 100 25V
C3 100 25V
C8 100 25V
C6 100 25V
C4 100 25V
C2 100 25V
C1 100 25V
0.022
L7
L5
L9
L10
L8
L6
L4
L3
+5V
-5V
+18V
-18V
IC-K32 TC74HC00P
IC-H31 TC74HC04P
IC-G28 TC74HC04P
IC-K33 SN74ALS374N

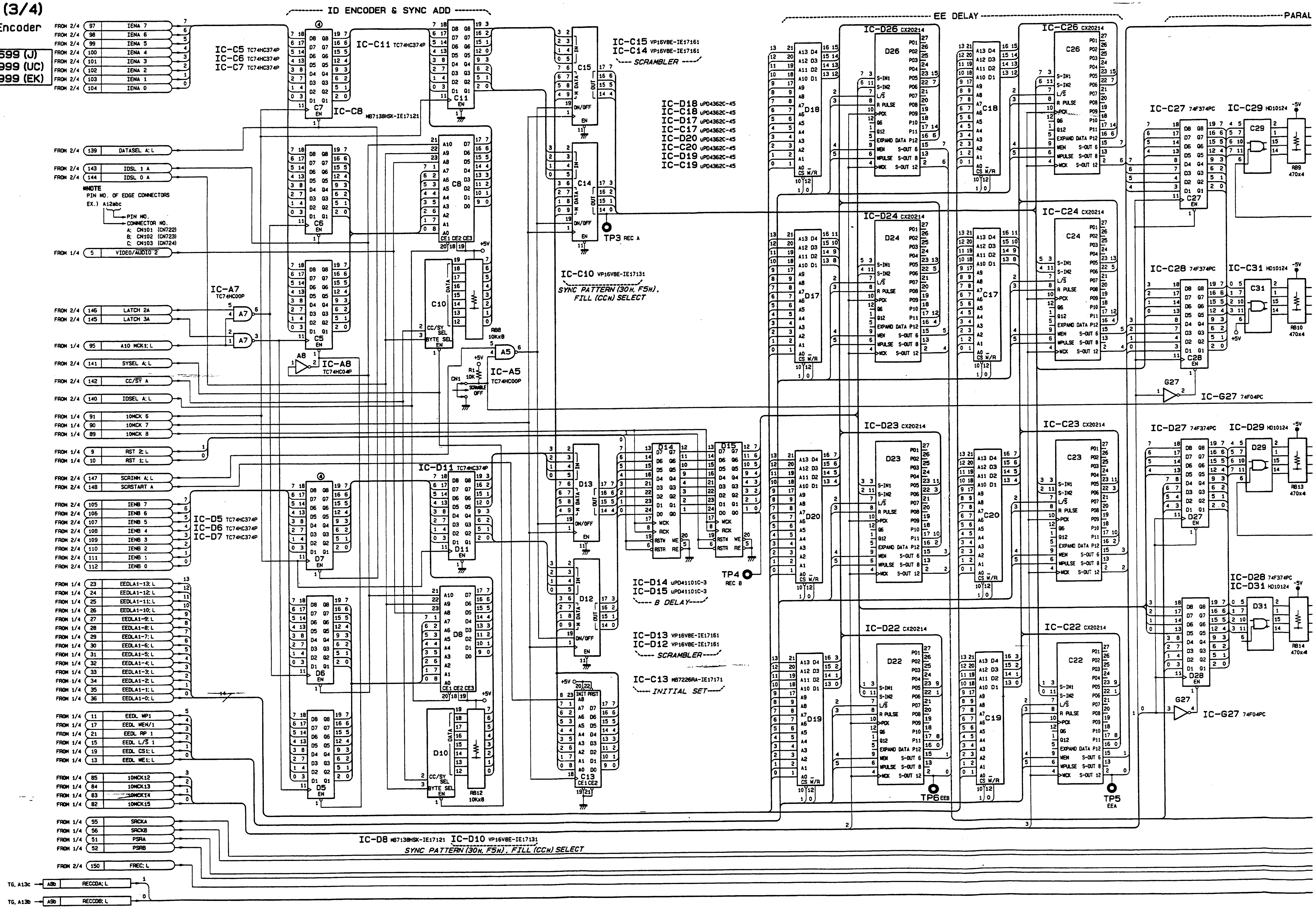
#NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN722)
B: CN102 (CN723)
C: CN103 (CN724)

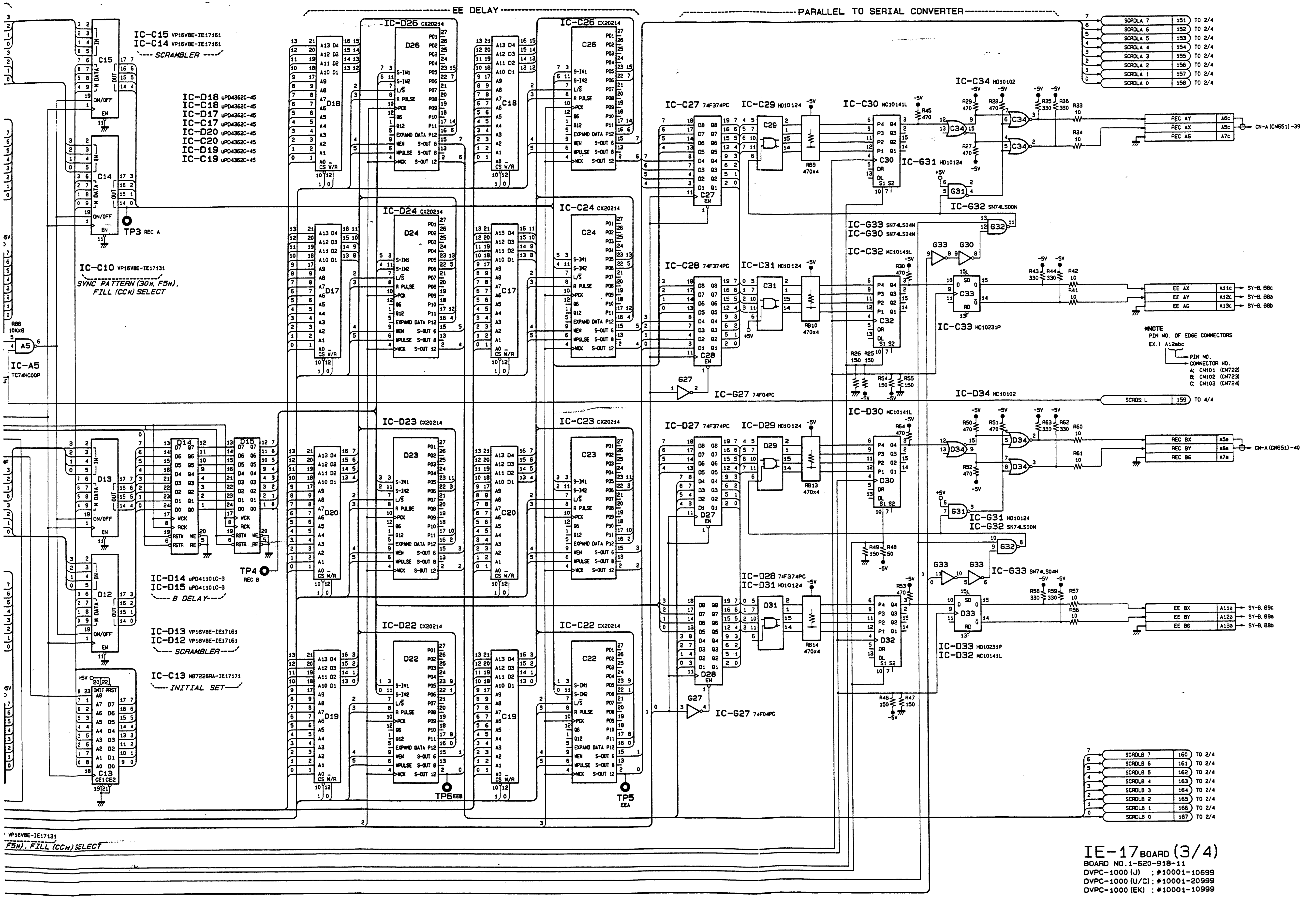
IE-17 BOARD (2/4)
BOARD NO. 1-620-918-11
DVPC-1000 (J) : #10001-10699
DVPC-1000 (U/C) : #10001-20999
DVPC-1000 (EK) : #10001-10999

IE-17 BOARD (3/4)

Inner Encoder

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)


ID ENCODER & SYNC ADD
EE DELAY
PARAL
IC-C5 TC74HC374P
IC-C6 TC74HC374P
IC-C7 TC74HC374P
IC-C11 TC74HC374P
IC-C8 MB7138HSK-IE17121
IC-C15 VP16V8E-IE17161
IC-C14 VP16V8E-IE17161
SCRAMBLER
IC-D18 uPD4362C-45
IC-C18 uPD4362C-45
IC-D17 uPD4362C-45
IC-C17 uPD4362C-45
IC-D20 uPD4362C-45
IC-C20 uPD4362C-45
IC-D19 uPD4362C-45
IC-C19 uPD4362C-45
IC-D26 CX20214
IC-C26 CX20214
IC-D24 CX20214
IC-C24 CX20214
IC-D23 CX20214
IC-C23 CX20214
IC-D22 CX20214
IC-C22 CX20214
IC-C27 74F374PC
IC-C29 HD10124
IC-C28 74F374PC
IC-C31 HD10124
IC-G27 74F04PC
IC-D27 74F374PC
IC-D29 HD10124
IC-D28 74F374PC
IC-D31 HD10124
RB9 470x4
RB10 470x4
RB13 470x4
RB14 470x4
IC-C10 VP16V8E-IE17131
SYNC PATTERN (30H, F5H), FILL (CCH) SELECT
IC-A7 TC74HC00P
IC-A8 TC74HC04P
IC-A5 TC74HC00P
RB8 10Kx8
R1 10K
CN1 SCRAMBLE OFF
TP3 REC A
TP4 REC B
TP5 EEA
TP6 EEB
IC-D11 TC74HC374P
IC-D5 TC74HC374P
IC-D6 TC74HC374P
IC-D7 TC74HC374P
IC-D14 uPD41101C-3
IC-D15 uPD41101C-3
B DELAY
IC-D13 VP16V8E-IE17161
IC-D12 VP16V8E-IE17161
SCRAMBLER
IC-C13 MB7226RA-IE17171
INITIAL SET
RB12 10Kx8
IC-D8 MB7138HSK-IE17121 IC-D10 VP16V8E-IE17131
SYNC PATTERN (30H, F5H), FILL (CCH) SELECT
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN722)
B: CN102 (CN723)
C: CN103 (CN724)
FROM 2/4 97 IENA 7
FROM 2/4 98 IENA 6
FROM 2/4 99 IENA 5
FROM 2/4 100 IENA 4
FROM 2/4 101 IENA 3
FROM 2/4 102 IENA 2
FROM 2/4 103 IENA 1
FROM 2/4 104 IENA 0
FROM 2/4 139 DATASEL A; L
FROM 2/4 143 IDSL 1 A
FROM 2/4 144 IDSL 0 A
FROM 1/4 5 VIDEO/AUDIO 2
FROM 2/4 146 LATCH 2A
FROM 2/4 145 LATCH 3A
FROM 1/4 95 A10 MCK1; L
FROM 2/4 141 SYSEL A; L
FROM 2/4 142 CC/SY A
FROM 2/4 140 IDSEL A; L
FROM 1/4 91 10MCK 6
FROM 1/4 90 10MCK 7
FROM 1/4 89 10MCK 8
FROM 1/4 9 RST 2; L
FROM 1/4 10 RST 1; L
FROM 2/4 147 SCRINH A; L
FROM 2/4 148 SCRSTART A
FROM 2/4 105 IENB 7
FROM 2/4 106 IENB 6
FROM 2/4 107 IENB 5
FROM 2/4 108 IENB 4
FROM 2/4 109 IENB 3
FROM 2/4 110 IENB 2
FROM 2/4 111 IENB 1
FROM 2/4 112 IENB 0
FROM 1/4 23 EEDLA1-13; L
FROM 1/4 24 EEDLA1-12; L
FROM 1/4 25 EEDLA1-11; L
FROM 1/4 26 EEDLA1-10; L
FROM 1/4 27 EEDLA1-9; L
FROM 1/4 28 EEDLA1-8; L
FROM 1/4 29 EEDLA1-7; L
FROM 1/4 30 EEDLA1-6; L
FROM 1/4 31 EEDLA1-5; L
FROM 1/4 32 EEDLA1-4; L
FROM 1/4 33 EEDLA1-3; L
FROM 1/4 34 EEDLA1-2; L
FROM 1/4 35 EEDLA1-1; L
FROM 1/4 36 EEDLA1-0; L
FROM 1/4 11 EEDL MP1
FROM 1/4 17 EEDL WEN/1
FROM 1/4 21 EEDL RP 1
FROM 1/4 15 EEDL L/S 1
FROM 1/4 19 EEDL CS1; L
FROM 1/4 13 EEDL WE1; L
FROM 1/4 85 10MCK12
FROM 1/4 84 10MCK13
FROM 1/4 83 10MCK14
FROM 1/4 82 10MCK15
FROM 1/4 55 SRCKA
FROM 1/4 56 SRCKB
FROM 1/4 51 PSRA
FROM 1/4 52 PSRB
FROM 2/4 150 FREC; L
TG, A13c A8b RECCDA; L
TG, A13b A9b RECCDB; L


EE DELAY
PARALLEL TO SERIAL CONVERTER
IC-C15 VP16V8E-IE17161
IC-C14 VP16V8E-IE17161
SCRAMBLER
IC-D18 uPD4362C-45
IC-C18 uPD4362C-45
IC-D17 uPD4362C-45
IC-C17 uPD4362C-45
IC-D20 uPD4362C-45
IC-C20 uPD4362C-45
IC-D19 uPD4362C-45
IC-C19 uPD4362C-45
IC-D26 CX20214
IC-C26 CX20214
IC-D24 CX20214
IC-C24 CX20214
IC-D23 CX20214
IC-C23 CX20214
IC-D22 CX20214
IC-C22 CX20214
TP3 REC A
IC-C10 VP16V8E-IE17131
SYNC PATTERN (30H, F5H), FILL (CCH) SELECT
IC-A5 TC74HC00P
R88 10Kx8
TP4 REC B
IC-D14 uPD41101C-3
IC-D15 uPD41101C-3
B DELAY
IC-D13 VP16V8E-IE17161
IC-D12 VP16V8E-IE17161
SCRAMBLER
IC-C13 MB7226RA-IE17171
INITIAL SET
TP6 EEB
TP5 EEA
IC-C27 74F374PC
IC-C29 HD10124
IC-C30 MC10141L
IC-C31 HD10124
IC-G31 HD10124
IC-C34 HD10102
IC-G32 SN74LS00N
IC-G33 SN74LS04N
IC-G30 SN74LS04N
IC-C32 MC10141L
IC-C28 74F374PC
IC-C33 HD10231P
IC-G27 74F04PC
IC-D34 HD10102
IC-D30 MC10141L
IC-D27 74F374PC
IC-D29 HD10124
IC-G31 HD10124
IC-G32 SN74LS00N
IC-G33 SN74LS04N
IC-D28 74F374PC
IC-D31 HD10124
IC-D33 HD10231P
IC-D32 MC10141L
RB9 470x4
RB10 470x4
RB13 470x4
RB14 470x4
SCRDLA 7 151 TO 2/4
SCRDLA 6 152 TO 2/4
SCRDLA 5 153 TO 2/4
SCRDLA 4 154 TO 2/4
SCRDLA 3 155 TO 2/4
SCRDLA 2 156 TO 2/4
SCRDLA 1 157 TO 2/4
SCRDLA 0 158 TO 2/4
REC AY A6c
REC AX A5c
REC AG A7c
CN-A (CN651) -39
EE AX A11c SY-8, 88c
EE AY A12c SY-8, 88a
EE AG A13c SY-8, 88b
SCRDS; L 159 TO 4/4
REC BX A5a
REC BY A6a
REC BG A7a
CN-A (CN651) -40
EE BX A11a SY-8, 89c
EE BY A12a SY-8, 89a
EE BG A13a SY-8, 88b
SCRDLB 7 160 TO 2/4
SCRDLB 6 161 TO 2/4
SCRDLB 5 162 TO 2/4
SCRDLB 4 163 TO 2/4
SCRDLB 3 164 TO 2/4
SCRDLB 2 165 TO 2/4
SCRDLB 1 166 TO 2/4
SCRDLB 0 167 TO 2/4
VP16V8E-IE17131
F5H), FILL (CCH) SELECT

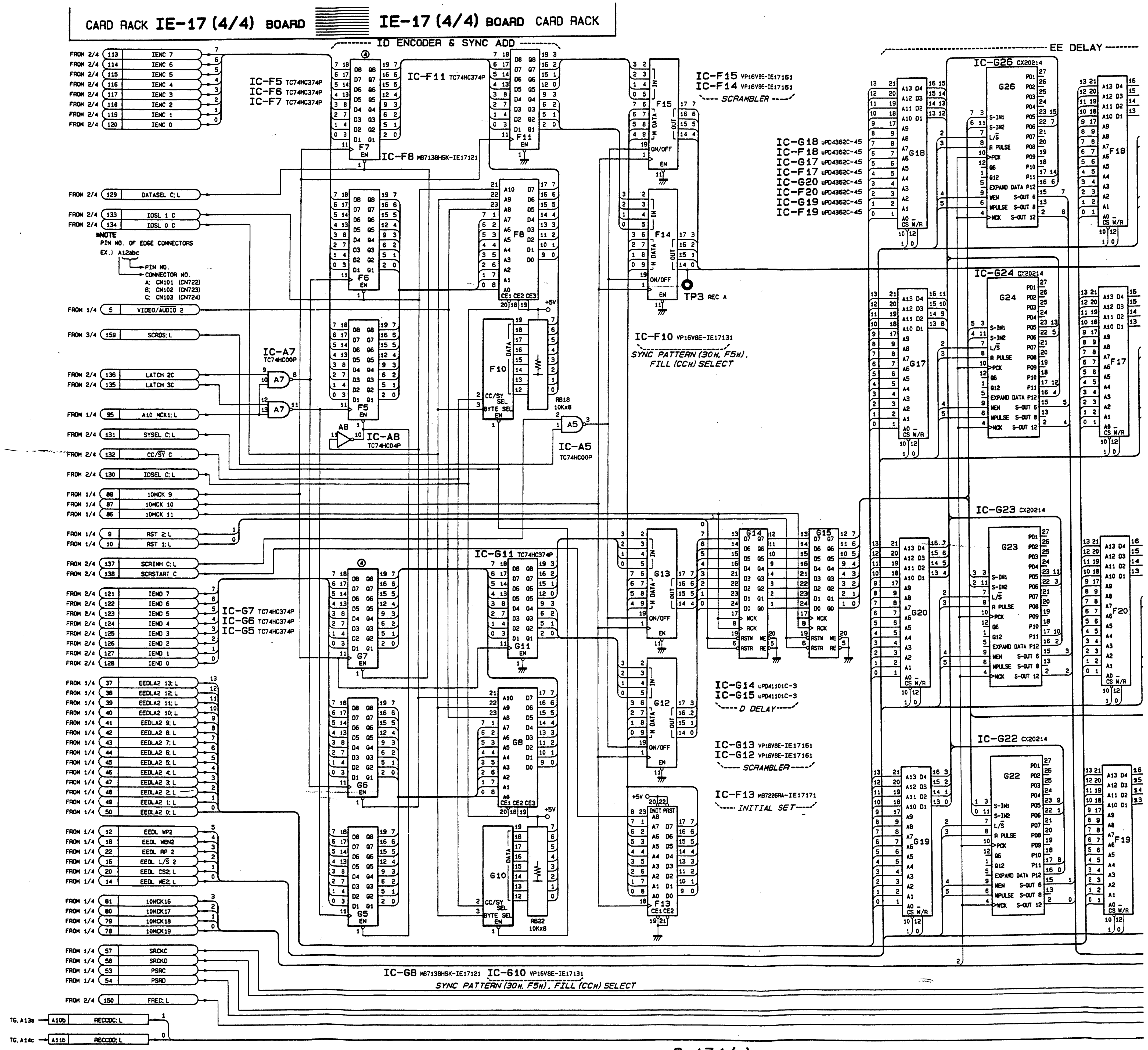
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN722)
B: CN102 (CN723)
C: CN103 (CN724)

IE-17 BOARD (3/4)
BOARD NO.1-620-918-11
DVPC-1000 (J) ; #10001-10699
DVPC-1000 (U/C) ; #10001-20999
DVPC-1000 (EK) ; #10001-10999

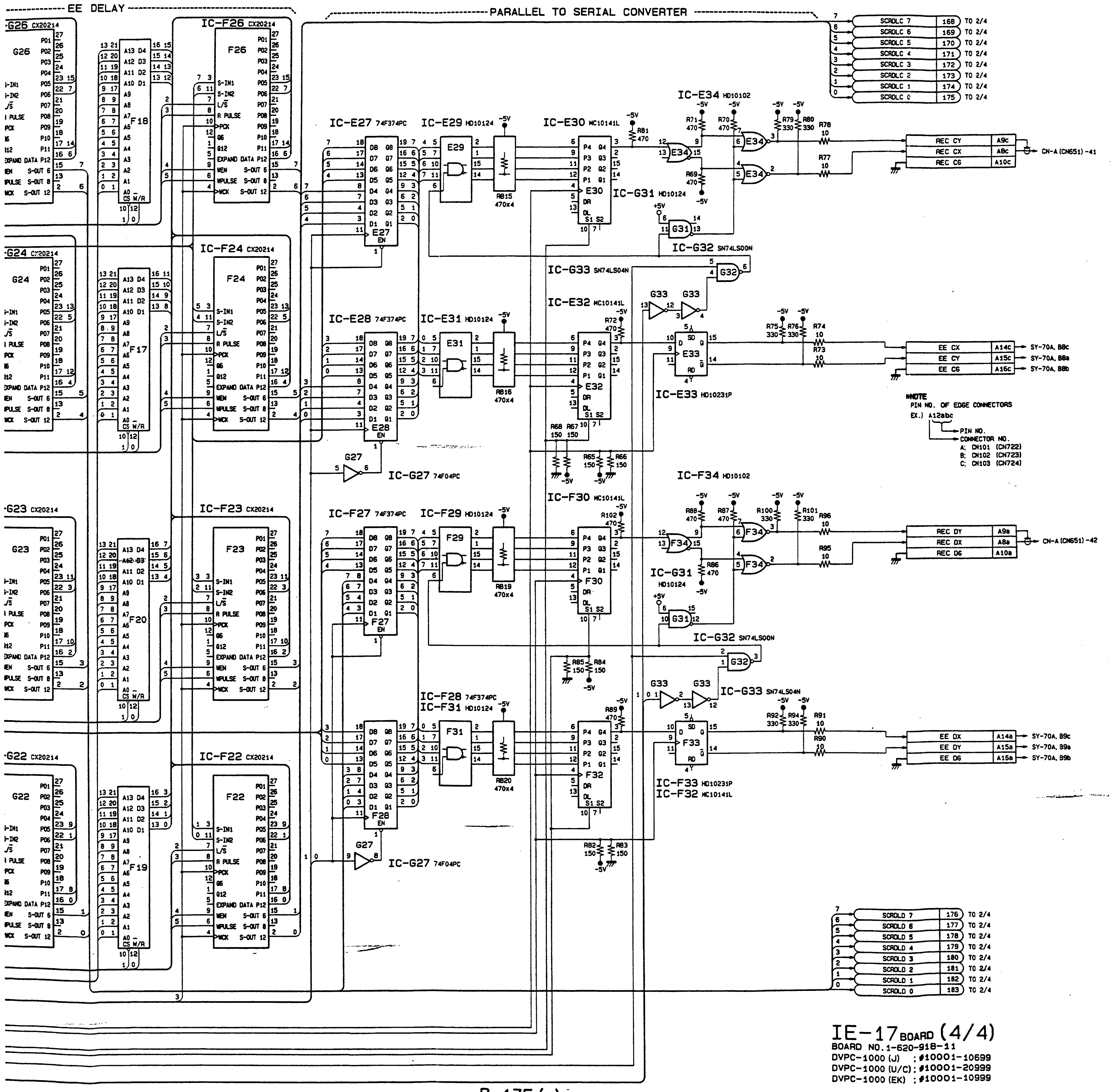
IE-17 BOARD (4/4)

Inner Encoder

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)



CARD RACK IE-17 (4/4) BOARD
IE-17 (4/4) BOARD CARD RACK
ID ENCODER & SYNC ADD
EE DELAY
IC-F5 TC74HC374P
IC-F6 TC74HC374P
IC-F7 TC74HC374P
IC-F11 TC74HC374P
IC-F8 MB7138HSK-IE17121
IC-F15 VP16V8E-IE17161
IC-F14 VP16V8E-IE17161
SCRAMBLER
IC-G18 uPD43362C-45
IC-F18 uPD43362C-45
IC-G17 uPD43362C-45
IC-F17 uPD43362C-45
IC-G20 uPD43362C-45
IC-F20 uPD43362C-45
IC-G19 uPD43362C-45
IC-F19 uPD43362C-45
IC-G26 CX20214
IC-G24 CX20214
IC-G23 CX20214
IC-G22 CX20214
IC-F10 VP16V8E-IE17131
SYNC PATTERN (30H, F5H), FILL (CCH) SELECT
TP3 REC A
IC-A7 TC74HC00P
IC-A8 TC74HC04P
IC-A5 TC74HC00P
RB18 10Kx8
RB22 10Kx8
IC-G7 TC74HC374P
IC-G6 TC74HC374P
IC-G5 TC74HC374P
IC-G11 TC74HC374P
IC-G14 uPD41101C-3
IC-G15 uPD41101C-3
D DELAY
IC-G13 VP16V8E-IE17161
IC-G12 VP16V8E-IE17161
SCRAMBLER
IC-F13 MB7226RA-IE17171
INITIAL SET
IC-G8 MB7138HSK-IE17121 IC-G10 VP16V8E-IE17131
SYNC PATTERN (30H, F5H), FILL (CCH) SELECT
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN722)
B: CN102 (CN723)
C: CN103 (CN724)
FROM 2/4 113 IENC 7
FROM 2/4 114 IENC 6
FROM 2/4 115 IENC 5
FROM 2/4 116 IENC 4
FROM 2/4 117 IENC 3
FROM 2/4 118 IENC 2
FROM 2/4 119 IENC 1
FROM 2/4 120 IENC 0
FROM 2/4 129 DATASEL C: L
FROM 2/4 133 IDSL 1 C
FROM 2/4 134 IDSL 0 C
FROM 1/4 5 VIDEO/AUDIO 2
FROM 3/4 159 SCRDS: L
FROM 2/4 136 LATCH 2C
FROM 2/4 135 LATCH 3C
FROM 1/4 95 A10 MCK1: L
FROM 2/4 131 SYSEL C: L
FROM 2/4 132 CC/SY C
FROM 2/4 130 IDSEL C: L
FROM 1/4 88 10MCK 9
FROM 1/4 87 10MCK 10
FROM 1/4 86 10MCK 11
FROM 1/4 9 RST 2: L
FROM 1/4 10 RST 1: L
FROM 2/4 137 SCRINH C: L
FROM 2/4 138 SCRSTART C
FROM 2/4 121 IEND 7
FROM 2/4 122 IEND 6
FROM 2/4 123 IEND 5
FROM 2/4 124 IEND 4
FROM 2/4 125 IEND 3
FROM 2/4 126 IEND 2
FROM 2/4 127 IEND 1
FROM 2/4 128 IEND 0
FROM 1/4 37 EEDLA2 13: L
FROM 1/4 38 EEDLA2 12: L
FROM 1/4 39 EEDLA2 11: L
FROM 1/4 40 EEDLA2 10: L
FROM 1/4 41 EEDLA2 9: L
FROM 1/4 42 EEDLA2 8: L
FROM 1/4 43 EEDLA2 7: L
FROM 1/4 44 EEDLA2 6: L
FROM 1/4 45 EEDLA2 5: L
FROM 1/4 46 EEDLA2 4: L
FROM 1/4 47 EEDLA2 3: L
FROM 1/4 48 EEDLA2 2: L
FROM 1/4 49 EEDLA2 1: L
FROM 1/4 50 EEDLA2 0: L
FROM 1/4 12 EEDL MP2
FROM 1/4 18 EEDL MEN2
FROM 1/4 22 EEDL RP 2
FROM 1/4 16 EEDL L/S 2
FROM 1/4 20 EEDL CS2: L
FROM 1/4 14 EEDL WE2: L
FROM 1/4 81 10MCK16
FROM 1/4 80 10MCK17
FROM 1/4 79 10MCK18
FROM 1/4 78 10MCK19
FROM 1/4 57 SRCKC
FROM 1/4 58 SRCKD
FROM 1/4 53 PSRC
FROM 1/4 54 PSRD
FROM 2/4 150 FREC: L
TG, A13a A10b RECCDC: L
TG, A14c A11b RECCDD: L


EE DELAY
PARALLEL TO SERIAL CONVERTER
IC-F26 CX20214
IC-F24 CX20214
IC-F23 CX20214
IC-F22 CX20214
G26
G24
G23
G22
F18
F17
F20
F19
IC-E27 74F374PC
IC-E29 HD10124
IC-E30 MC10141L
IC-E34 HD10102
IC-G31 HD10124
IC-G32 SN74LS00N
IC-G33 SN74LS04N
IC-E28 74F374PC
IC-E31 HD10124
IC-E32 MC10141L
IC-E33 HD10231P
IC-G27 74F04PC
IC-F27 74F374PC
IC-F29 HD10124
IC-F30 MC10141L
IC-F34 HD10102
IC-F28 74F374PC
IC-F31 HD10124
IC-F33 HD10231P
IC-F32 MC10141L
R815 470x4
R816 470x4
R819 470x4
R820 470x4
SCROLC 7 168 TO 2/4
SCROLC 6 169 TO 2/4
SCROLC 5 170 TO 2/4
SCROLC 4 171 TO 2/4
SCROLC 3 172 TO 2/4
SCROLC 2 173 TO 2/4
SCROLC 1 174 TO 2/4
SCROLC 0 175 TO 2/4
REC CY A9c
REC CX A8c
REC C6 A10c
CN-A (CN651) -41
EE CX A14c SY-70A, B8c
EE CY A15c SY-70A, B8a
EE C6 A16c SY-70A, B8b
REC DY A9a
REC DX A8a
REC D6 A10a
CN-A (CN651) -42
EE DX A14a SY-70A, B9c
EE DY A15a SY-70A, B9a
EE D6 A15a SY-70A, B9b
SCROLD 7 176 TO 2/4
SCROLD 6 177 TO 2/4
SCROLD 5 178 TO 2/4
SCROLD 4 179 TO 2/4
SCROLD 3 180 TO 2/4
SCROLD 2 181 TO 2/4
SCROLD 1 182 TO 2/4
SCROLD 0 183 TO 2/4
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN722)
B: CN102 (CN723)
C: CN103 (CN724)

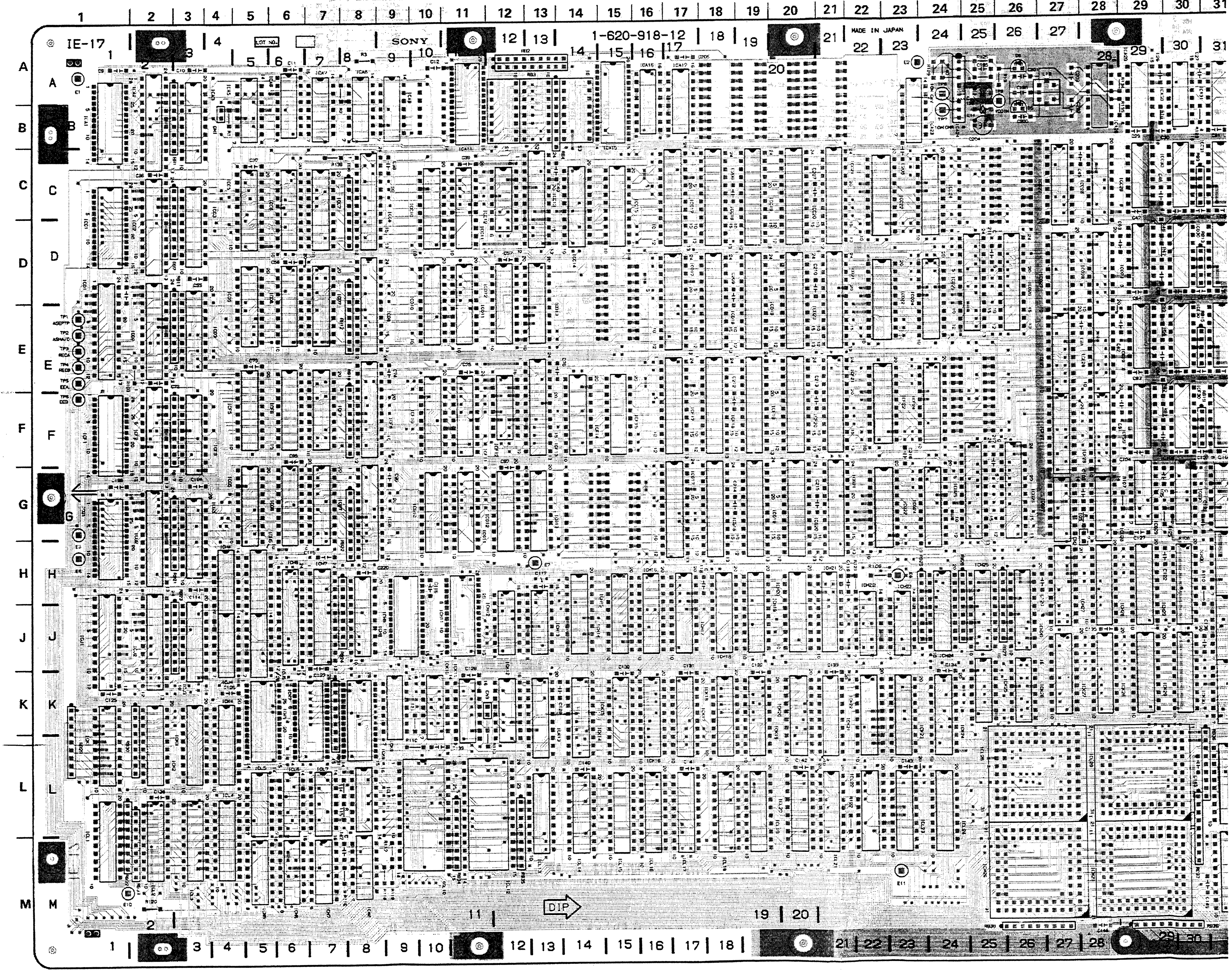
IE-17 BOARD (4/4)

BOARD NO.1-620-918-11
DVPC-1000 (J) ; #10001-10699
DVPC-1000 (U/C) ; #10001-20999
DVPC-1000 (EK) ; #10001-10999

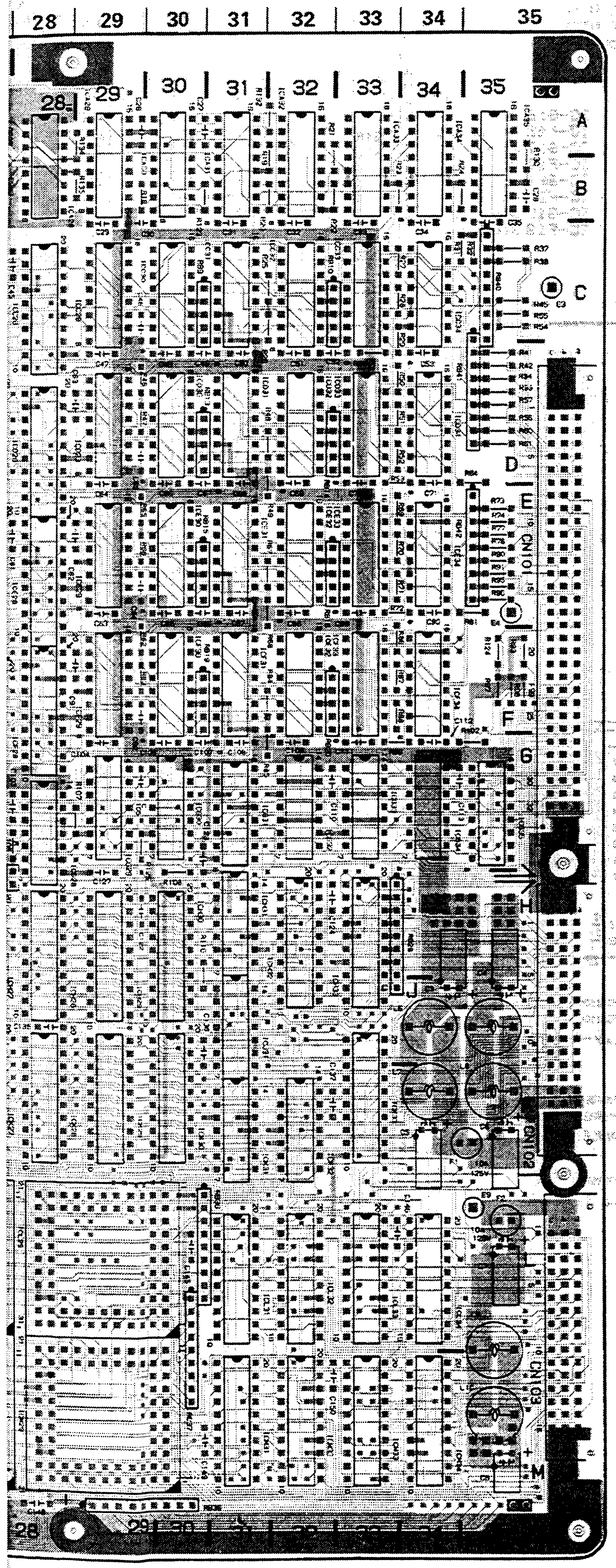
IE-17 BOARD (1-620-918-12)

Component Side

#10701 & UP (J)
#21001 & UP (UC)
#11001 & UP (EK)


IE-17
SONY
1-620-918-12
MADE IN JAPAN
LOT NO.
DIP
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
A B C D E F G H J K L M

1-620-918-12 COMPONENT SIDE



1-620-918-12 SOLDER SIDE

IE-17 (1-620-918-12)

DVPC-1000

CN1	B4
CN2	H28
CN3	K11
CN101M	E35
CN102M	J35
CN103M	L35
D5	B26
D6	A26
E1	A1
E2	A23
E3	C35
E4	E35
E5	G1
E6	H1
E7	H13
E8	H23
E9	L35
E10	M1
E11	M23
F1	K35
F2	L35
RB1	B2
RB2	A12
RB3	A12
RB4	B14
RB7	C2
RB8	C8
RB9	C30
RB10	C32
RB11	E2
RB12	E8
RB13	D30
RB14	D32
RB15	E30
RB16	E32
RB17	F2
RB18	F8
RB19	F30
RB20	F32
RB21	G2
RB22	G8
RB23	J2
RB24	J8
RB25	J23
RB26	J24
RB27	J26
RB28	H33
RB29	L1
RB30	L2
RB31	K7
RB32	L1
RB33	M2
RB34	L11
RB35	L12
RB36	L30
RB37	M30
RB38	M26
RB39	M29
RB40	C35
RB41	D35
RB42	E35
S1	B12
S2	B13
S3	B14
TP1	E1
TP2	E1
TP3	E1
TP4	E1
TP5	E1
TP6	F1
TP7	B24
TP8	A24
TP9	B26

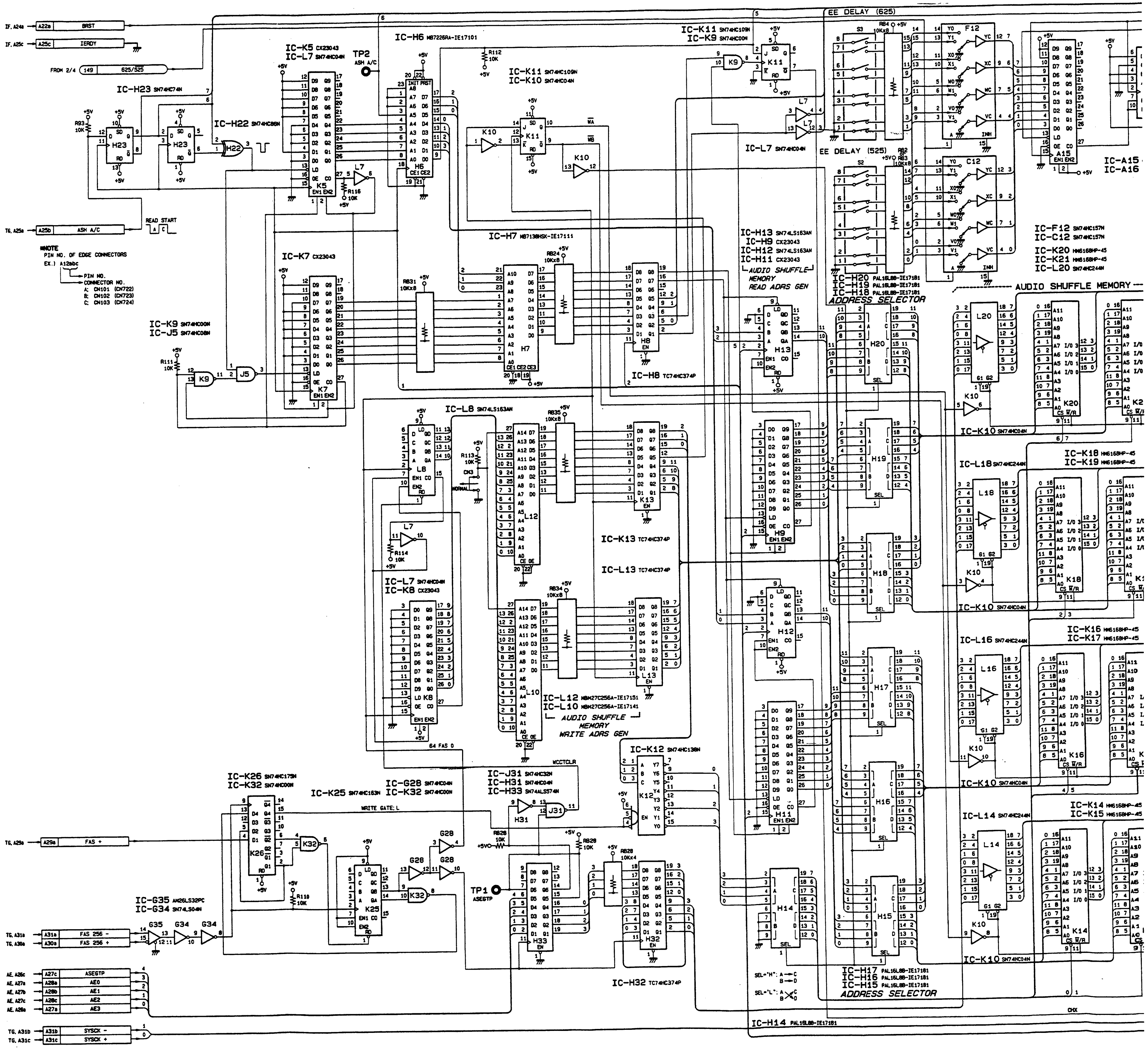
IE-17 BOARD

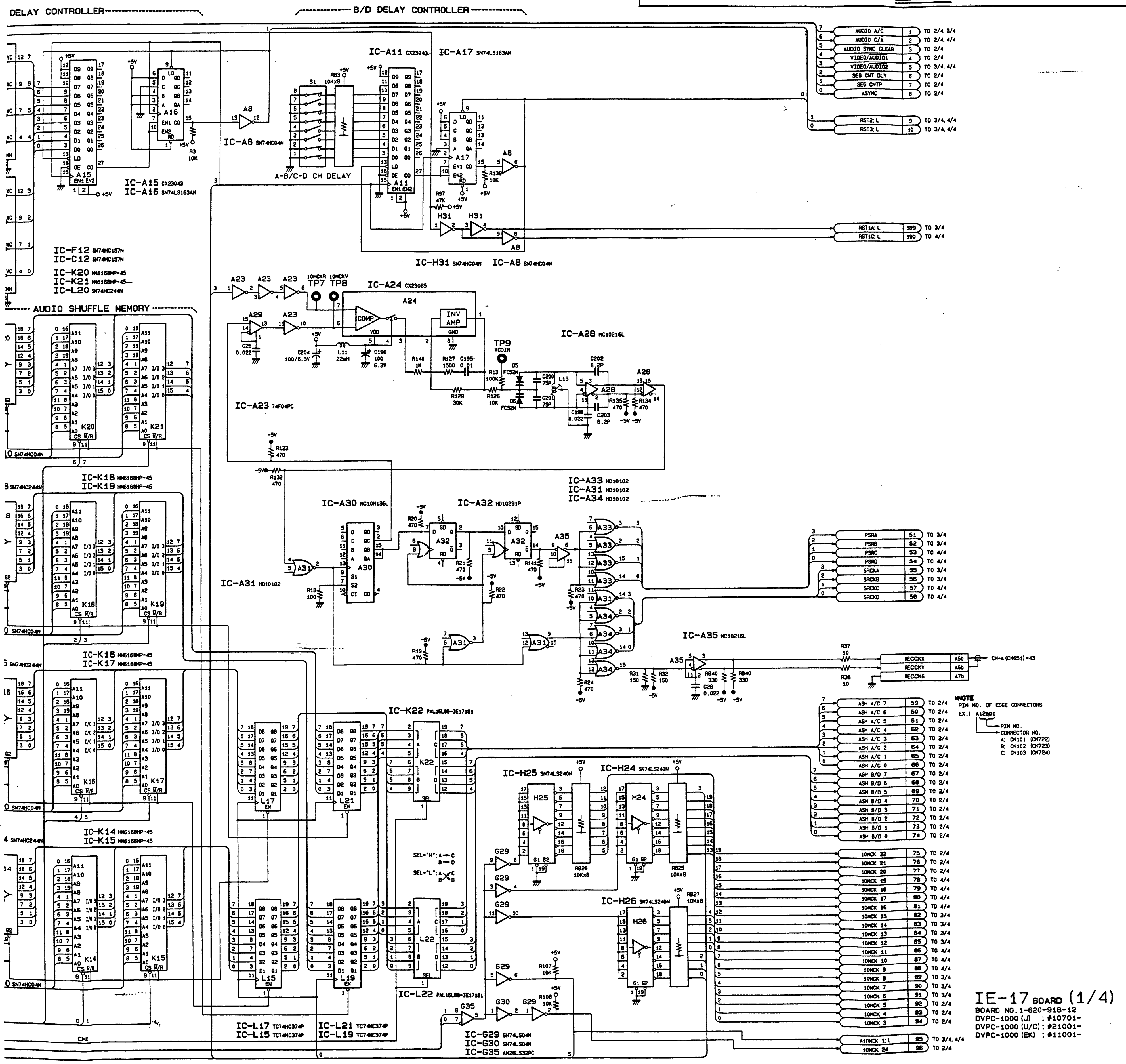
Ref. No.	Pin No.		
	+5V	GND	−5V
IC A1	28	14	
IC A2	24	12	
IC A3	20	10	
IC A5	14	7	
IC A6	16	8	
IC A7	14	7	
IC A8	14	7	
IC A9	14	7	
IC A11	28	14	
IC A15	28	14	
IC A16	16	8	
IC A17	16	8	
IC A23	14	7	
IC A24	5	8	
IC A28		1, 16	8
IC A29	9	16	8
IC A30		1, 16	8
IC A31		1, 16	8
IC A32		1, 16	8
IC A33		1, 16	8
IC A34		1, 16	8
IC A35		1, 16	8
IC C1	28	14	
IC C2	24	12	
IC C3	20	10	
IC C5	20	10	
IC C6	20	10	
IC C7	20	10	
IC C8	24	12	
IC C10	20	10	
IC C11	20	10	
IC C12	16	8	
IC C13	24	12	
IC C14	20	10	
IC C15	20	10	
IC C17	18	7	
IC C18	18	7	
IC C19	18	7	
IC C20	18	7	
IC C21	18	7	
IC C22	20	10	
IC C24	20	10	
IC C27	20	10	
IC C28	20	10	
IC C29	9	16	8
IC C30		1, 16	8
IC C31	9	16	8
IC C32		1, 16	8
IC C33		1, 16	8
IC C34		1, 16	8
IC D1	24	12	
IC D2	24	12	
IC D3	20	10	
IC D5	20	10	
IC D6	20	10	
IC D7	20	10	
IC D8	24	12	
IC D10	20	10	
IC D11	20	10	
IC D12	20	10	
IC D13	20	10	
IC D17	18	7	
IC D18	18	7	
IC D19	18	7	
IC D20	18	7	
IC D21	18	7	
IC D22	20	10	
IC D24	20	10	
IC D25	18	7	
IC D26	18	7	
IC D27	20	10	
IC D28	20	10	
IC D29	9	16	8
IC D30		1, 16	8
IC D31	9	16	8
IC D32		1, 16	8
IC D33		1, 16	8
IC D34		1, 16	8
IC E27	20	10	
IC E28	20	10	
IC E29	9	16	8
IC E30		1, 16	8
IC E31	9	16	8
IC E32		1, 16	8
IC E33		1, 16	8
IC E34		1, 16	8
IC F1	28	14	
IC F2	24	12	
IC F3	20	10	
IC F5	20	10	
IC F6	20	10	
IC F7	20	10	
IC F8	24	12	
IC F10	20	10	
IC F11	20	10	
IC F12	16	8	
IC F13	24	12	
IC F14	20	10	
IC F15	20	10	
IC F17	18	7	
IC F18	18	7	
IC F19	18	7	
IC F20	16	7	
IC F21	18	7	
IC F22	20	10	
IC F24	20	10	
IC F27	20	10	
IC F28	20	10	
IC F29	9	16	8
IC F30		1, 16	8
IC F31	9	16	8
IC F32		1, 16	8
IC F33		1, 16	8
IC F34		1, 16	8
IC G1	28	14	
IC G2	24	12	
IC G3	20	10	
IC G5	20	10	
IC G6	20	10	
IC G7	20	10	
IC G8	24	12	
IC G10	20	10	
IC G11	20	10	
IC G12	20	10	
IC G13	20	10	
IC G17	18	7	
IC G18	18	7	
IC G19	18	7	
IC G20	18	7	
IC G21	18	7	
IC G22	20	10	
IC G24	20	10	
IC G25	18	7	
IC G26	18	7	
IC G27	14	7	
IC G28	14	7	
IC G29	14	7	
IC G30	14	7	
IC G31	9	16	8
IC G32	14	7	
IC G33	14	7	
IC G34	14	7	
IC G35	16	8	
IC H4	14	7	
IC H5	14	7	
IC H6	24	12	
IC H7	24	12	
IC H8	20	10	
IC H9	28	14	
IC H11	28	14	
IC H12	16	8	
IC H13	16	8	
IC H14	20	10	
IC H15	20	10	
IC H16	20	10	
IC H17	20	10	
IC H18	20	10	
IC H19	20	10	
IC H20	20	10	
IC H21	20	10	
IC H22	14	7	
IC H23	14	7	
IC H24	20	10	
IC H25	20	10	
IC H26	20	10	
IC H27	20	10	
IC H28	20	10	
IC H29	20	10	
IC H30	20	10	
IC H31	14	7	
IC H32	20	10	
IC H33	20	10	
IC J1	24	12	
IC J2	24	12	
IC J3	20	10	
IC J4	14	7	
IC J5	14	7	
IC J31	14	7	
IC K1	20	10	
IC K2	20	10	
IC K3	20	10	
IC K4	20	10	
IC K5	28	14	
IC K7	28	14	
IC K8	28	14	
IC K9	14	7	
IC K10	14	7	
IC K11	16	8	
IC K12	16	8	
IC K13	20	10	
IC K14	20	10	
IC K15	20	10	
IC K16	20	10	
IC K17	20	10	
IC K18	20	10	
IC K19	20	10	
IC K20	20	10	
IC K21	20	10	
IC K22	20	10	
IC K23	20	10	
IC K24	20	10	
IC K25	16	8	
IC K26	16	8	
IC K27	20	10	
IC K28	20	10	
IC K29	20	10	
IC K30	20	10	
IC K31	14	7	
IC K32	14	7	
IC K33	20	10	
IC L1	20	10	
IC L2	20	10	
IC L3	20	10	
IC L4	20	10	
IC L5	14	7	
IC L6	14	7	
IC L7	14	7	
IC L8	16	8	
IC L10	1, 28	14	
IC L12	1, 28	14	
IC L13	20	10	
IC L14	20	10	
IC L15	20	10	
IC L16	20	10	
IC L17	20	10	
IC L18	20	10	
IC L19	20	10	
IC L20	20	10	
IC L21	20	10	
IC L22	20	10	
IC L23	20	10	
IC L24	20	10	
IC L26	41, 49, 57, 65,	42, 48, 56, 64	
IC L29	41, 49, 57, 65	42, 48, 58, 64	
IC L31	20	10	
IC L32	20	10	
IC L33	20	10	
IC L34	20	10	
IC M5	16	8	
IC M6	16	8	
IC M7	16	8	
IC M8	14	7	
IC M26	41, 49, 57, 55	42, 48, 58, 64	
IC M29	41, 49, 57, 55	42, 48, 58, 64	
IC M31	20	10	
IC M32	20	10	
IC M33	20	10	
IC M34	20	10	

IE-17 BOARD (1/4)

Inner Encoder

#10701 & UP (J)
#21001 & UP (UC)
#11001 & UP (EK)


EE DELAY CONTROLLER
EE DELAY (625)
EE DELAY (525)
IC-K5 CX23043
IC-L7 SN74HC04N
IC-H6 MB7226RA-IE17101
IC-K11 SN74HC109N
IC-K9 SN74HC00N
IC-K11 SN74HC109N
IC-K10 SN74HC04N
IC-H23 SN74HC74N
IC-H22 SN74HC86N
TP2 ASH A/C
IC-L7 SN74HC04N
IC-A15
IC-A16
IC-F12 SN74HC157N
IC-C12 SN74HC157N
IC-K20 HM6168HP-45
IC-K21 HM6168HP-45
IC-L20 SN74HC244N
IC-H7 MB7138HSX-IE17111
IC-K7 CX23043
IC-K9 SN74HC00N
IC-J5 SN74HC08N
IC-H13 SN74LS163AN
IC-H9 CX23043
IC-H12 SN74LS163AN
IC-H11 CX23043
AUDIO SHUFFLE MEMORY READ ADRS GEN
IC-H20 PAL16L8B-IE17181
IC-H19 PAL16L8B-IE17181
IC-H18 PAL16L8B-IE17181
ADDRESS SELECTOR
AUDIO SHUFFLE MEMORY
IC-H8 TC74HC374P
IC-L8 SN74LS163AN
IC-K10 SN74HC04N
IC-L18 SN74HC244N
IC-K18 HM6168HP-45
IC-K19 HM6168HP-45
IC-K13 TC74HC374P
IC-L13 TC74HC374P
IC-L7 SN74HC04N
IC-K8 CX23043
IC-L16 SN74HC244N
IC-K16 HM6168HP-45
IC-K17 HM6168HP-45
IC-L12 MBM27C256A-IE17151
IC-L10 MBM27C256A-IE17141
AUDIO SHUFFLE MEMORY WRITE ADRS GEN
IC-K12 SN74HC138N
IC-K26 SN74HC175N
IC-K32 SN74HC00N
IC-K25 SN74HC163N
IC-G28 SN74HC04N
IC-K32 SN74HC00N
IC-J31 SN74HC32N
IC-H31 SN74HC04N
IC-H33 SN74ALS574N
IC-L14 SN74HC244N
IC-K14 HM6168HP-45
IC-K15 HM6168HP-45
IC-G35 AM26LS32PC
IC-G34 SN74LS04N
TP1 ASEGTP
IC-H32 TC74HC374P
IC-H17 PAL16L8B-IE17181
IC-H16 PAL16L8B-IE17181
IC-H15 PAL16L8B-IE17181
ADDRESS SELECTOR
IC-H14 PAL16L8B-IE17181
SEL="H": A→C
SEL="L": A→C, B→C
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN722)
B: CN102 (CN723)
C: CN103 (CN724)
BRST
IERDY
FROM 2/4
625/525
ASH A/C
READ START
FAS +
FAS 256 -
FAS 256 +
ASEGTP
AE0
AE1
AE2
AE3
SYSCK -
SYSCK +
WRITE GATE: L
WCCTCLR
64 FAS 0
NORMAL
CH3
CHX
+5V


DELAY CONTROLLER
B/D DELAY CONTROLLER
AUDIO SHUFFLE MEMORY
IC-A15 CX23043
IC-A16 SN74LS163AN
IC-A8 SN74HC04N
IC-A11 CX23043
IC-A17 SN74LS163AN
S1
RB3 10Kx8
A-B/C-D CH DELAY
R3 10K
R139 10K
R97 47K
IC-H31 SN74HC04N
IC-A8 SN74HC04N
IC-F12 SN74HC157N
IC-C12 SN74HC157N
IC-K20 HM6168HP-45
IC-K21 HM6168HP-45
IC-L20 SN74HC244N
IC-K18 HM6168HP-45
IC-K19 HM6168HP-45
IC-K16 HM6168HP-45
IC-K17 HM6168HP-45
IC-K14 HM6168HP-45
IC-K15 HM6168HP-45
SN74HC04N
SN74HC244N
10MCKR TP7
10MCKV TP8
IC-A24 CX23065
COMP
INV AMP
VDD
GND
A29
A23
C26 0.022
C204 100/6.3V
L11 22uH
C196 100 6.3V
R140 1K
R127 1500
C195 0.01
R129 30K
R126 10K
R13 100K
TP9 VCOIN
D5 FC52M
D6 FC52M
C200 75P
C201 75P
L13
C202 8.2P
C198 0.022
C203 8.2P
R135 470
R134 470
IC-A28 MC10216L
IC-A23 74F04PC
R123 470
R132 470
IC-A30 MC10H136L
IC-A32 HD10231P
IC-A33 HD10102
IC-A31 HD10102
IC-A34 HD10102
IC-A35 MC10216L
R20 470
R21 470
R22 470
R141 470
R18 100
R19 470
R23 470
R24 470
R31 150
R32 150
R840 330
R37 10
R38 10
C28 0.022
-5V
+5V
IC-K22 PAL16L8B-IE171B1
IC-L22 PAL16L8B-IE171B1
SEL="H": A→C B→D
SEL="L": A↘C B↗D
IC-L17 TC74HC374P
IC-L15 TC74HC374P
IC-L21 TC74HC374P
IC-L19 TC74HC374P
IC-H25 SN74LS240N
IC-H24 SN74LS240N
IC-H26 SN74LS240N
RB26 10Kx8
RB25 10Kx8
RB27 10Kx8
R107 10K
R108 10K
IC-G29 SN74LS04N
IC-G30 SN74LS04N
IC-G35 AM26LS32PC
CH
AUDIO A/C 1 TO 2/4, 3/4
AUDIO C/A 2 TO 2/4, 4/4
AUDIO SYNC CLEAR 3 TO 2/4
VIDEO/AUDIO1 4 TO 2/4
VIDEO/AUDIO2 5 TO 3/4, 4/4
SEG CNT DLY 6 TO 2/4
SEG CNTP 7 TO 2/4
ASYNC 8 TO 2/4
RST2: L 9 TO 3/4, 4/4
RST3: L 10 TO 3/4, 4/4
RST1A: L 189 TO 3/4
RST1C: L 190 TO 4/4
PSRA 51 TO 3/4
PSRB 52 TO 3/4
PSRC 53 TO 4/4
PSRD 54 TO 4/4
SRCKA 55 TO 3/4
SRCKB 56 TO 3/4
SRCKC 57 TO 4/4
SRCKD 58 TO 4/4
RECCKX A5b
RECCKY A6b
RECCK6 A7b
CN-A (CN651)-43
ASH A/C 7 59 TO 2/4
ASH A/C 6 60 TO 2/4
ASH A/C 5 61 TO 2/4
ASH A/C 4 62 TO 2/4
ASH A/C 3 63 TO 2/4
ASH A/C 2 64 TO 2/4
ASH A/C 1 65 TO 2/4
ASH A/C 0 66 TO 2/4
ASH B/D 7 67 TO 2/4
ASH B/D 6 68 TO 2/4
ASH B/D 5 69 TO 2/4
ASH B/D 4 70 TO 2/4
ASH B/D 3 71 TO 2/4
ASH B/D 2 72 TO 2/4
ASH B/D 1 73 TO 2/4
ASH B/D 0 74 TO 2/4
10MCK 22 75 TO 2/4
10MCK 21 76 TO 2/4
10MCK 20 77 TO 2/4
10MCK 19 78 TO 4/4
10MCK 18 79 TO 4/4
10MCK 17 80 TO 4/4
10MCK 16 81 TO 4/4
10MCK 15 82 TO 3/4
10MCK 14 83 TO 3/4
10MCK 13 84 TO 3/4
10MCK 12 85 TO 3/4
10MCK 11 86 TO 4/4
10MCK 10 87 TO 4/4
10MCK 9 88 TO 4/4
10MCK 8 89 TO 3/4
10MCK 7 90 TO 3/4
10MCK 6 91 TO 3/4
10MCK 5 92 TO 2/4
10MCK 4 93 TO 2/4
10MCK 3 94 TO 2/4
A10MCK 1: L 95 TO 3/4, 4/4
10MCK 24 96 TO 2/4

***NOTE**
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN722)
B: CN102 (CN723)
C: CN103 (CN724)

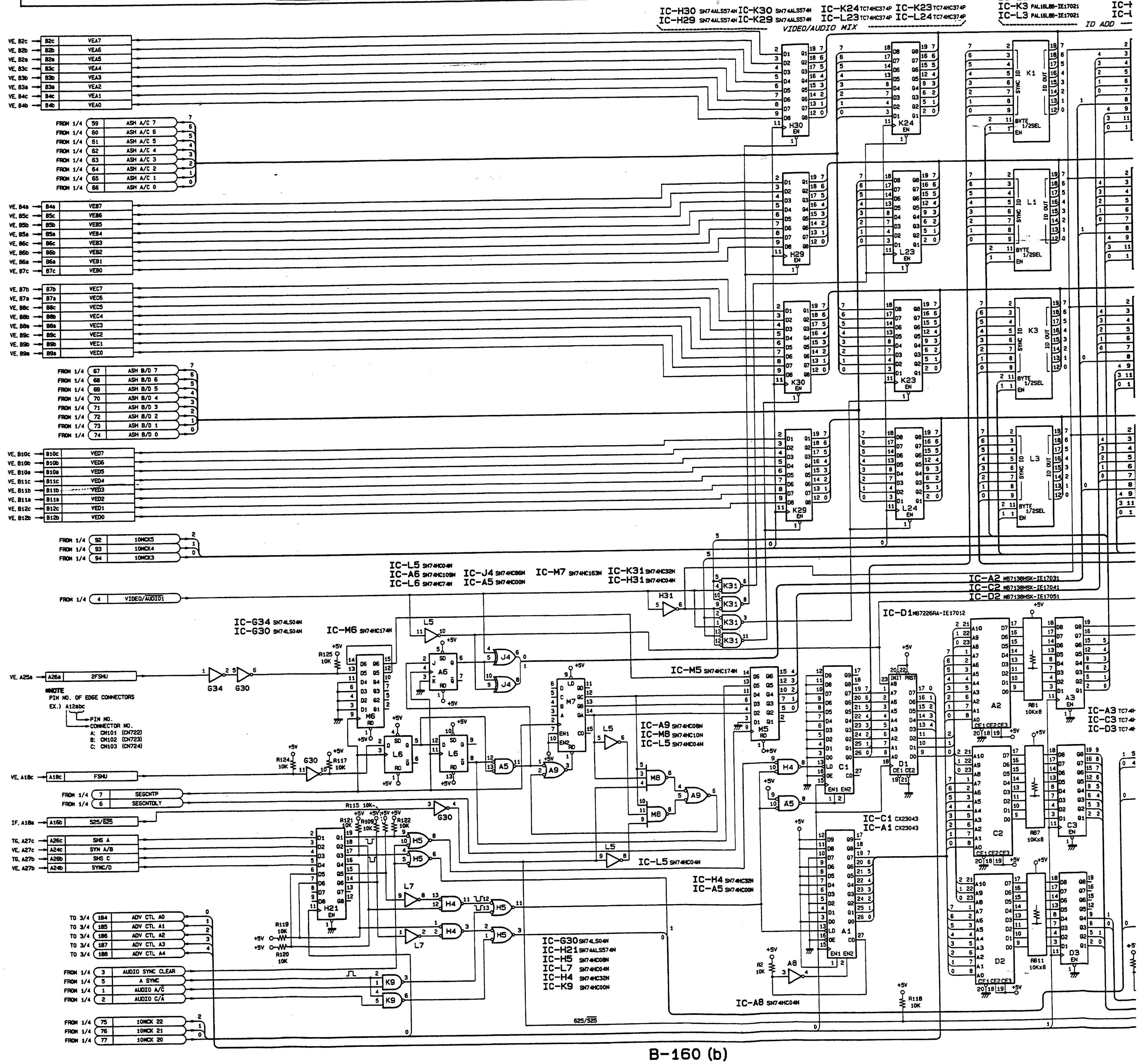
IE-17 BOARD (1/4)

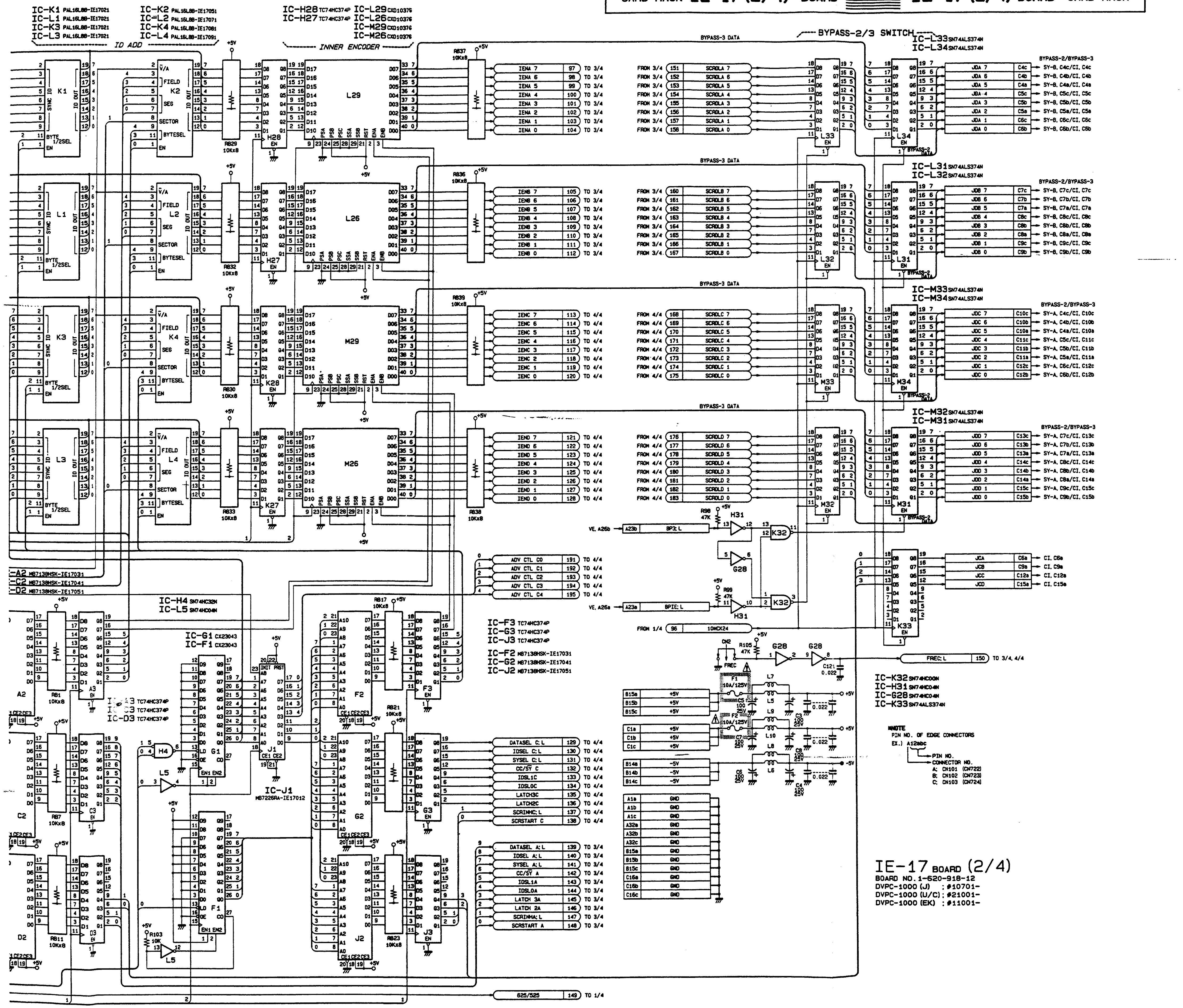
BOARD NO. 1-620-918-12
DVPC-1000 (J) : #10701-
DVPC-1000 (U/C) : #21001-
DVPC-1000 (EK) : #11001-

IE-17 BOARD (2/4)

Inner Encoder

#10701 & UP (J)
#21001 & UP (UC)
#11001 & UP (EK)


IC-H30 SN74ALS574N IC-K30 SN74ALS574N IC-K24 TC74HC374P IC-K23 TC74HC374P
IC-H29 SN74ALS574N IC-K29 SN74ALS574N IC-L23 TC74HC374P IC-L24 TC74HC374P
VIDEO/AUDIO MIX
IC-K1 PAL16L8B-IE17021
IC-L1 PAL16L8B-IE17021
IC-K3 PAL16L8B-IE17021
IC-L3 PAL16L8B-IE17021
ID ADD
VEA7 VEA6 VEA5 VEA4 VEA3 VEA2 VEA1 VEA0
ASH A/C 7 ASH A/C 6 ASH A/C 5 ASH A/C 4 ASH A/C 3 ASH A/C 2 ASH A/C 1 ASH A/C 0
VEB7 VEB6 VEB5 VEB4 VEB3 VEB2 VEB1 VEB0
VEC7 VEC6 VEC5 VEC4 VEC3 VEC2 VEC1 VEC0
ASH B/D 7 ASH B/D 6 ASH B/D 5 ASH B/D 4 ASH B/D 3 ASH B/D 2 ASH B/D 1 ASH B/D 0
VED7 VED6 VED5 VED4 VED3 VED2 VED1 VED0
10MCK5 10MCK4 10MCK3
VIDEO/AUDIO1
SYNC ID
ID OUT
BYTE 1/2SEL
IC-L5 SN74HC04N IC-J4 SN74HC86N IC-M7 SN74HC163N IC-K31 SN74HC32N
IC-A6 SN74HC109N IC-A5 SN74HC00N IC-H31 SN74HC04N
IC-L6 SN74HC74N
IC-A2 HB7138MSK-IE17031
IC-C2 HB7138MSK-IE17041
IC-D2 HB7138MSK-IE17051
IC-D1 HB7226RA-IE17012
IC-G34 SN74LS04N
IC-G30 SN74LS04N
IC-M6 SN74HC174N
IC-M5 SN74HC174N
2FSHU
FSHU
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN722)
B: CN102 (CN723)
C: CN103 (CN724)
IC-A9 SN74HC08N
IC-M8 SN74HC10N
IC-L5 SN74HC04N
SEGCNTP
SEGCNTDLY
525/625
SHS A
SYN A/B
SHS C
SYNC/D
IC-C1 CX23043
IC-A1 CX23043
IC-L5 SN74HC04N
IC-H4 SN74HC32N
IC-A5 SN74HC00N
ADV CTL A0 ADV CTL A1 ADV CTL A2 ADV CTL A3 ADV CTL A4
AUDIO SYNC CLEAR
A SYNC
AUDIO A/C
AUDIO C/A
10MCK 22 10MCK 21 10MCK 20
IC-G30 SN74LS04N
IC-H21 SN74ALS574N
IC-H5 SN74HC08N
IC-L7 SN74HC04N
IC-H4 SN74HC32N
IC-K9 SN74HC00N
IC-A8 SN74HC04N
625/525
IC-A3 TC74
IC-C3 TC74
IC-D3 TC74
RB1 10Kx8
RB7 10Kx8
RB11 10Kx8
R125 10K R124 10K R117 10K R115 10K R121 10K R109 10K R122 10K R119 10K R120 10K R2 10K R118 10K
FROM 1/4
TO 3/4


IC-K1 PAL16L8B-IE17021
IC-L1 PAL16L8B-IE17021
IC-K3 PAL16L8B-IE17021
IC-L3 PAL16L8B-IE17021
IC-K2 PAL16L8B-IE17051
IC-L2 PAL16L8B-IE17071
IC-K4 PAL16L8B-IE17081
IC-L4 PAL16L8B-IE17091
ID ADD
IC-H28 TC74HC374P
IC-H27 TC74HC374P
IC-L29 CXD1037S
IC-L26 CXD1037S
IC-M29 CXD1037S
IC-M26 CXD1037S
INNER ENCODER
BYPASS-3 DATA
BYPASS-2/3 SWITCH
IC-L33 SN74ALS374N
IC-L34 SN74ALS374N
IC-L31 SN74ALS374N
IC-L32 SN74ALS374N
IC-M33 SN74ALS374N
IC-M34 SN74ALS374N
IC-M32 SN74ALS374N
IC-M31 SN74ALS374N
BYPASS-2/BYPASS-3
SYNC ID
ID OUT
BYTE 1/2SEL
V/A
FIELD
SEG
SECTOR
BYTESEL
EN
L29
L26
M29
M26
IENA 7
IENA 6
IENA 5
IENA 4
IENA 3
IENA 2
IENA 1
IENA 0
IENB 7
IENB 0
IENC 7
IENC 0
IEND 7
IEND 0
TO 3/4
TO 4/4
FROM 3/4
FROM 4/4
SCROLA 7
SCROLA 0
SCROLB 7
SCROLB 0
SCROLC 7
SCROLC 0
SCROLD 7
SCROLD 0
JDA 7
JDA 0
JDB 7
JDB 0
JDC 7
JDC 0
JDD 7
JDD 0
SY-B
SY-A
CI
ADV CTL C0
ADV CTL C1
ADV CTL C2
ADV CTL C3
ADV CTL C4
IC-A2 MB7138HSK-IE17031
IC-C2 MB7138HSK-IE17041
IC-D2 MB7138HSK-IE17051
IC-H4 SN74HC32N
IC-L5 SN74HC04N
IC-G1 CX23043
IC-F1 CX23043
IC-A3 TC74HC374P
IC-C3 TC74HC374P
IC-D3 TC74HC374P
IC-J1 MB7226RA-IE17012
IC-F3 TC74HC374P
IC-G3 TC74HC374P
IC-J3 TC74HC374P
IC-F2 MB7138HSK-IE17031
IC-G2 MB7138HSK-IE17041
IC-J2 MB7138HSK-IE17051
DATASEL C:L
IDSEL CTL C:L
SYSEL C:L
CC/SY C
IDSL1C
IDSL0C
LATCH3C
LATCH2C
SCRINHC:L
SCRSTART C
DATASEL A:L
IDSEL A:L
SYSEL A:L
CC/SY A
IDSL1A
IDSL0A
LATCH 3A
LATCH 2A
SCRINHA:L
SCRSTART A
625/525
TO 1/4
VE. A26b
VE. A26a
BP3:L
BPIE:L
FROM 1/4
10MCK24
H31
K32
G28
K33
FREC:L
TO 3/4, 4/4
JCA
JCB
JCC
JCD
CI, C6a
CI, C9a
CI, C12a
CI, C15a
F1 10A/125V
F2 10A/125V
L5
L6
L7
L8
L9
L10
+5V
-5V
GND

IC-K32 SN74HC00N
IC-H31 SN74HC04N
IC-G28 SN74HC04N
IC-K33 SN74ALS374N

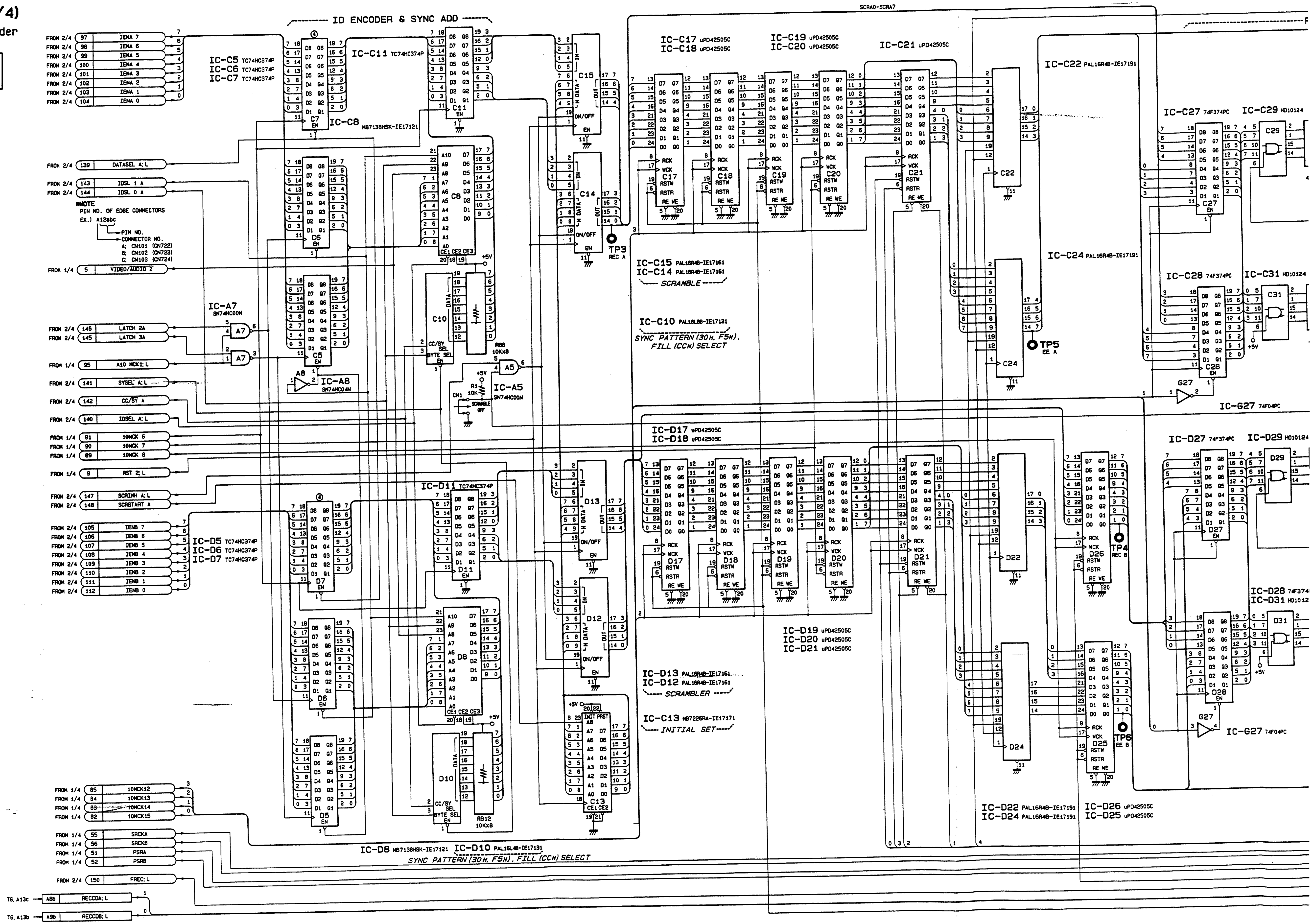
NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN722)
B: CN102 (CN723)
C: CN103 (CN724)

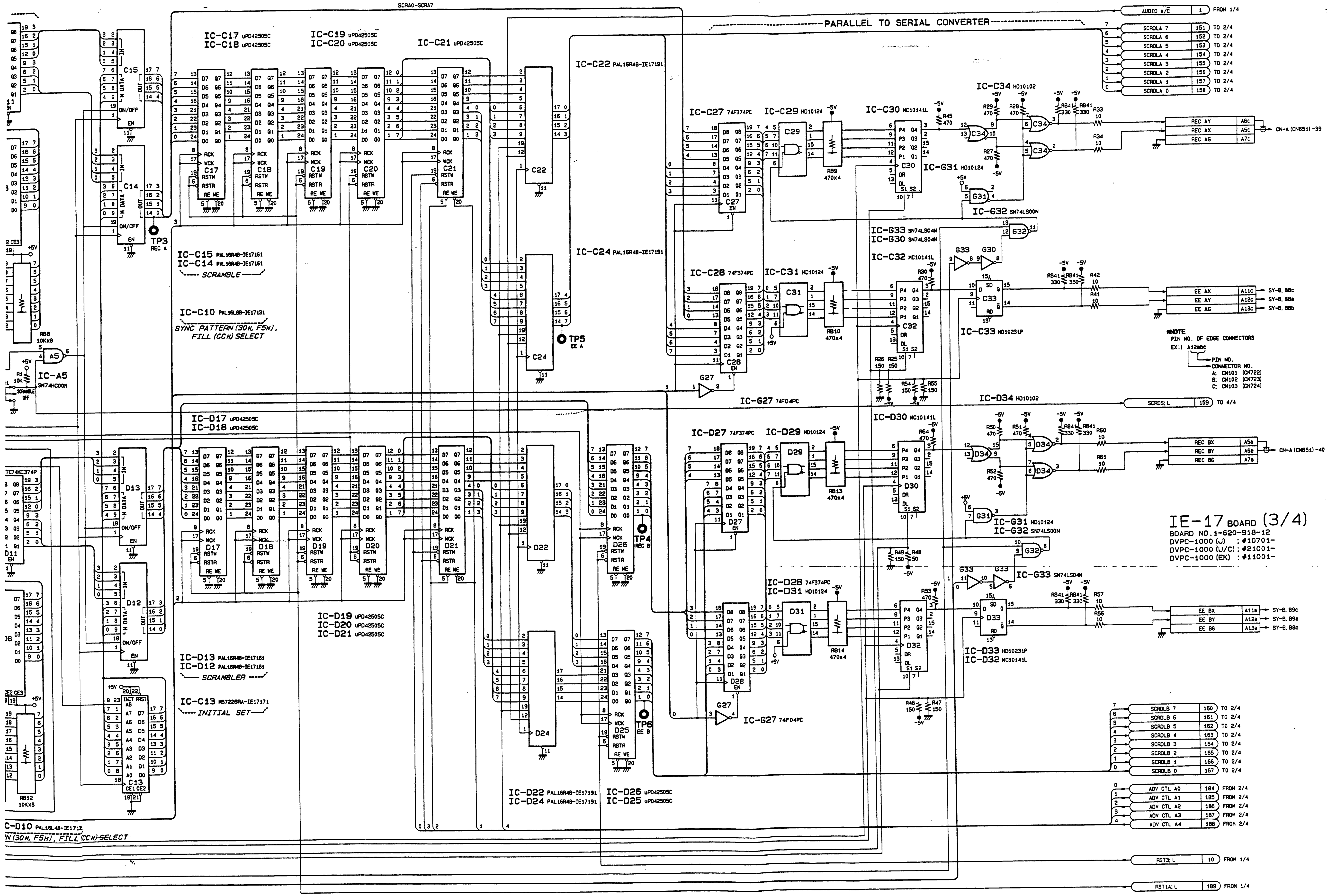
IE-17 BOARD (2/4)
BOARD NO. 1-620-918-12
DVPC-1000 (J) : #10701-
DVPC-1000 (U/C) : #21001-
DVPC-1000 (EK) : #11001-

IE-17 BOARD (3/4)

Inner Encoder

#10701 & UP (J)
#21001 & UP (UC)
#11001 & UP (EK)

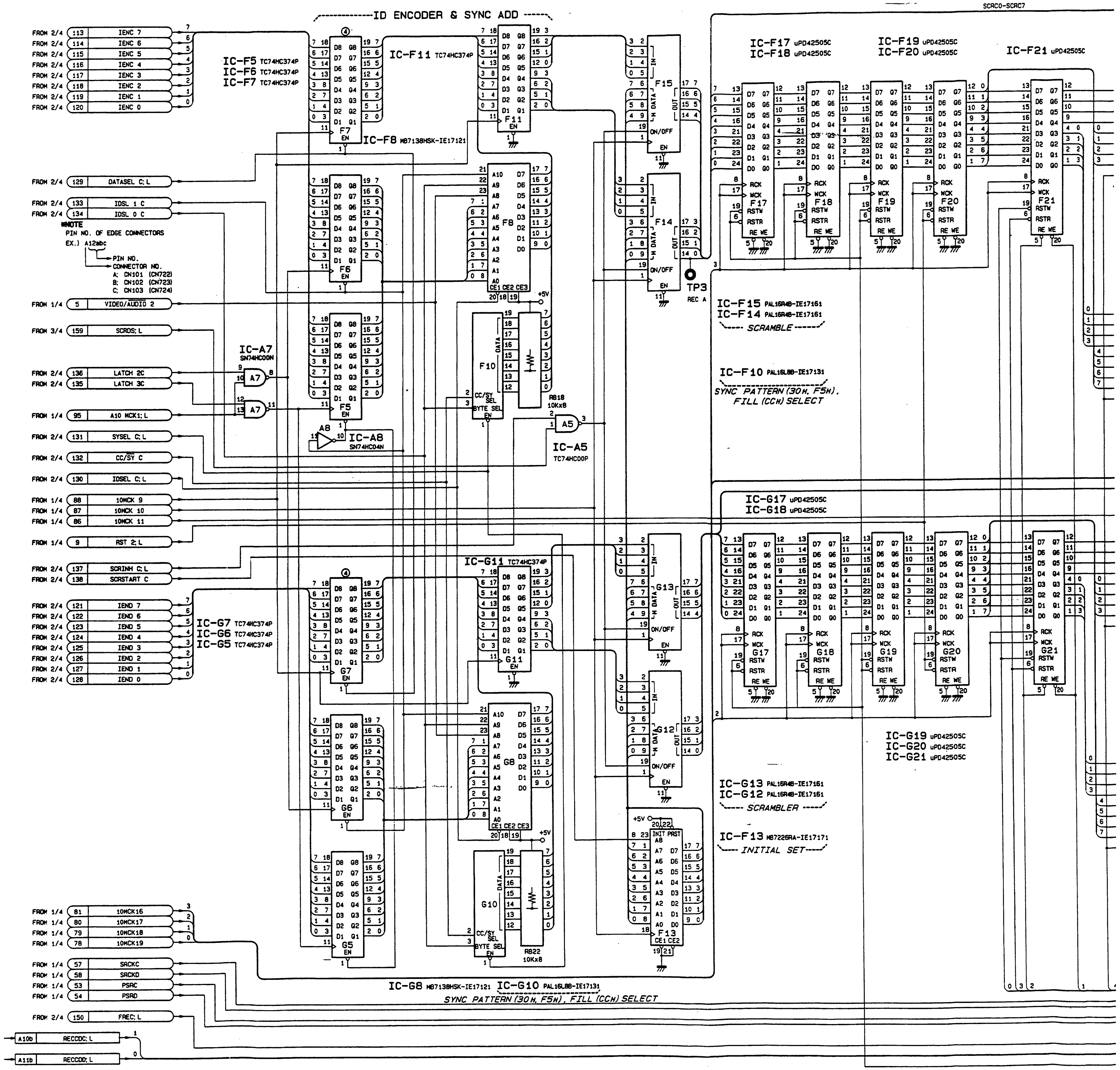

ID ENCODER & SYNC ADD
IC-C5 TC74HC374P
IC-C6 TC74HC374P
IC-C7 TC74HC374P
IC-C8 MB7138HSK-IE17121
IC-C11 TC74HC374P
IC-C17 uPD42505C
IC-C18 uPD42505C
IC-C19 uPD42505C
IC-C20 uPD42505C
IC-C21 uPD42505C
IC-C22 PAL16R4B-IE17191
IC-C24 PAL16R4B-IE17191
IC-C27 74F374PC
IC-C29 HD10124
IC-C28 74F374PC
IC-C31 HD10124
IC-C15 PAL16R4B-IE17161
IC-C14 PAL16R4B-IE17161
SCRAMBLE
IC-C10 PAL16L8B-IE17131
SYNC PATTERN (30H, F5H). FILL (CCH) SELECT
IC-A7 SN74HC00N
IC-A8 SN74HC04N
IC-A5 SN74HC00N
IC-G27 74F04PC
IC-D17 uPD42505C
IC-D18 uPD42505C
IC-D19 uPD42505C
IC-D20 uPD42505C
IC-D21 uPD42505C
IC-D11 TC74HC374P
IC-D5 TC74HC374P
IC-D6 TC74HC374P
IC-D7 TC74HC374P
IC-D13 PAL16R4B-IE17161
IC-D12 PAL16R4B-IE17161
SCRAMBLER
IC-C13 MB7226RA-IE17171
INITIAL SET
IC-D8 MB7138HSK-IE17121
IC-D10 PAL16L4B-IE17131
SYNC PATTERN (30H, F5H), FILL (CCH) SELECT
IC-D22 PAL16R4B-IE17191
IC-D24 PAL16R4B-IE17191
IC-D26 uPD42505C
IC-D25 uPD42505C
IC-D27 74F374PC
IC-D29 HD10124
IC-D28 74F374PC
IC-D31 HD10124
TP3 REC A
TP4 REC B
TP5 EE A
TP6 EE B
SCRA0-SCRA7
R1 10K
CN1 SCRAMBLE OFF
RB8 10Kx8
RB12 10Kx8
FROM 2/4 97 IENA 7
FROM 2/4 98 IENA 6
FROM 2/4 99 IENA 5
FROM 2/4 100 IENA 4
FROM 2/4 101 IENA 3
FROM 2/4 102 IENA 2
FROM 2/4 103 IENA 1
FROM 2/4 104 IENA 0
FROM 2/4 139 DATASEL A: L
FROM 2/4 143 IDSL 1 A
FROM 2/4 144 IDSL 0 A
#NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN722)
B: CN102 (CN723)
C: CN103 (CN724)
FROM 1/4 5 VIDEO/AUDIO 2
FROM 2/4 146 LATCH 2A
FROM 2/4 145 LATCH 3A
FROM 1/4 95 A10 MCK1: L
FROM 2/4 141 SYSEL A: L
FROM 2/4 142 CC/SY A
FROM 2/4 140 IDSEL A: L
FROM 1/4 91 10MCK 6
FROM 1/4 90 10MCK 7
FROM 1/4 89 10MCK 8
FROM 1/4 9 RST 2: L
FROM 2/4 147 SCRINH A: L
FROM 2/4 148 SCRSTART A
FROM 2/4 105 IENB 7
FROM 2/4 106 IENB 6
FROM 2/4 107 IENB 5
FROM 2/4 108 IENB 4
FROM 2/4 109 IENB 3
FROM 2/4 110 IENB 2
FROM 2/4 111 IENB 1
FROM 2/4 112 IENB 0
FROM 1/4 85 10MCK12
FROM 1/4 84 10MCK13
FROM 1/4 83 10MCK14
FROM 1/4 82 10MCK15
FROM 1/4 55 SRCKA
FROM 1/4 56 SRCKB
FROM 1/4 51 PSRA
FROM 1/4 52 PSRB
FROM 2/4 150 FREC: L
TG, A13c A8b RECCDA: L
TG, A13b A9b RECCDB: L

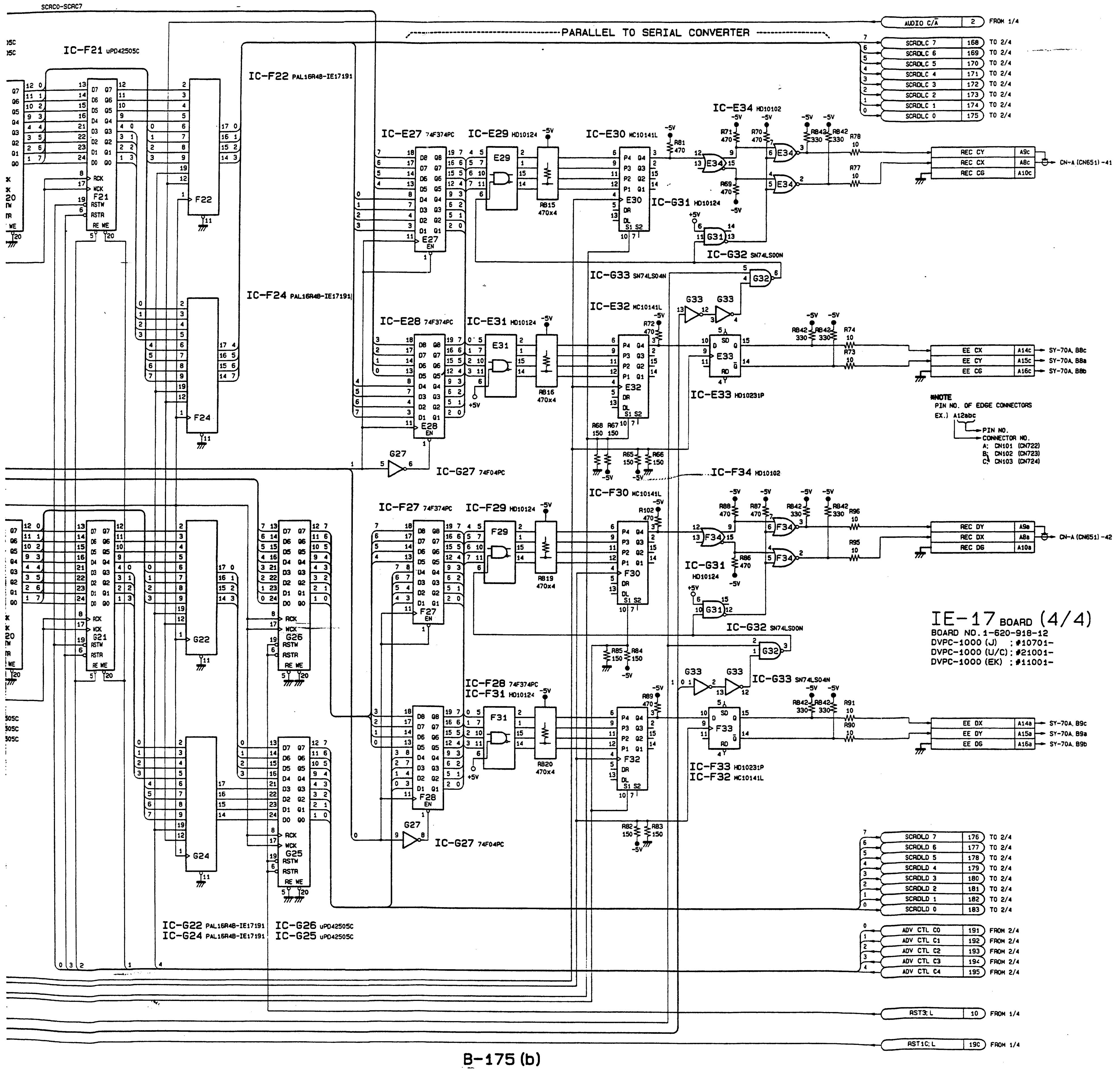

SCRA0–SCRA7
PARALLEL TO SERIAL CONVERTER
AUDIO A/C 1 FROM 1/4
SCRDLA 7 151 TO 2/4
SCRDLA 6 152 TO 2/4
SCRDLA 5 153 TO 2/4
SCRDLA 4 154 TO 2/4
SCRDLA 3 155 TO 2/4
SCRDLA 2 156 TO 2/4
SCRDLA 1 157 TO 2/4
SCRDLA 0 158 TO 2/4
IC-C17 uPD42505C
IC-C18 uPD42505C
IC-C19 uPD42505C
IC-C20 uPD42505C
IC-C21 uPD42505C
IC-C22 PAL16R4B-IE17191
IC-C24 PAL16R4B-IE17191
IC-C15 PAL16R4B-IE17161
IC-C14 PAL16R4B-IE17161
SCRAMBLE
IC-C10 PAL16L8B-IE17131
SYNC PATTERN (30H, F5H), FILL (CCH) SELECT
IC-A5 SN74HC00N
TP3 REC A
TP5 EE A
TP4 REC B
TP6 EE B
IC-C27 74F374PC
IC-C29 HD10124
IC-C30 MC10141L
IC-C31 HD10124
IC-C28 74F374PC
IC-C34 HD10102
IC-G31 HD10124
IC-G32 SN74LS00N
IC-G33 SN74LS04N
IC-G30 SN74LS04N
IC-C32 MC10141L
IC-C33 HD10231P
IC-G27 74F04PC
REC AY A6c
REC AX A5c
REC AG A7c
CN-A (CN651) -39
EE AX A11c SY-B, B8c
EE AY A12c SY-B, B8a
EE AG A13c SY-B, B8b
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A; CN101 (CN722)
B; CN102 (CN723)
C; CN103 (CN724)
SCRDS: L 159 TO 4/4
IC-D34 HD10102
IC-D17 uPD42505C
IC-D18 uPD42505C
IC-D27 74F374PC
IC-D29 HD10124
IC-D30 MC10141L
REC BX A5a
REC BY A6a
REC BG A7a
CN-A (CN651) -40
IC-G31 HD10124
IC-G32 SN74LS00N
IE-17 BOARD (3/4)
BOARD NO.1-620-918-12
DVPC-1000 (J) : #10701-
DVPC-1000 (U/C) : #21001-
DVPC-1000 (EK) : #11001-
IC-G33 SN74LS04N
IC-D28 74F374PC
IC-D31 HD10124
EE BX A11a SY-B, B9c
EE BY A12a SY-B, B9a
EE BG A13a SY-B, B8b
IC-D33 HD10231P
IC-D32 MC10141L
IC-D19 uPD42505C
IC-D20 uPD42505C
IC-D21 uPD42505C
IC-D13 PAL16R4B-IE17161
IC-D12 PAL16R4B-IE17161
SCRAMBLER
IC-C13 MB7226RA-IE17171
INITIAL SET
IC-D22 PAL16R4B-IE17191
IC-D24 PAL16R4B-IE17191
IC-D26 uPD42505C
IC-D25 uPD42505C
IC-G27 74F04PC
SCRDLB 7 160 TO 2/4
SCRDLB 6 161 TO 2/4
SCRDLB 5 162 TO 2/4
SCRDLB 4 163 TO 2/4
SCRDLB 3 164 TO 2/4
SCRDLB 2 165 TO 2/4
SCRDLB 1 166 TO 2/4
SCRDLB 0 167 TO 2/4
ADV CTL A0 184 FROM 2/4
ADV CTL A1 185 FROM 2/4
ADV CTL A2 186 FROM 2/4
ADV CTL A3 187 FROM 2/4
ADV CTL A4 188 FROM 2/4
RST3; L 10 FROM 1/4
RST1A; L 189 FROM 1/4
C-D10 PAL16L8B-IE17131
N (30H, F5H), FILL (CCH) SELECT
IC74HC374P
RB8 10K×8
RB12 10K×8
SCRAMBLE OFF

IE-17 BOARD (4/4)

Inner Encoder

#10701 & UP (J)
#21001 & UP (UC)
#11001 & UP (EK)


ID ENCODER & SYNC ADD
IC-F5 TC74HC374P
IC-F6 TC74HC374P
IC-F7 TC74HC374P
IC-F11 TC74HC374P
IC-F8 M87138HSK-IE17121
IC-A7 SN74HC00N
IC-A8 SN74HC04N
IC-A5 TC74HC00P
IC-F15 PAL16R4B-IE17161
IC-F14 PAL16R4B-IE17161
SCRAMBLE
IC-F10 PAL16L8B-IE17131
SYNC PATTERN (30H, F5H), FILL (CCH) SELECT
IC-F17 uPD42505C
IC-F18 uPD42505C
IC-F19 uPD42505C
IC-F20 uPD42505C
IC-F21 uPD42505C
SCRC0-SCRC7
TP3
REC A
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN722)
B: CN102 (CN723)
C: CN103 (CN724)
R818 10Kx8
R822 10Kx8
IC-G17 uPD42505C
IC-G18 uPD42505C
IC-G19 uPD42505C
IC-G20 uPD42505C
IC-G21 uPD42505C
IC-G7 TC74HC374P
IC-G6 TC74HC374P
IC-G5 TC74HC374P
IC-G11 TC74HC374P
IC-G13 PAL16R4B-IE17161
IC-G12 PAL16R4B-IE17161
SCRAMBLER
IC-F13 M87226RA-IE17171
INITIAL SET
IC-G8 M87138HSK-IE17121
IC-G10 PAL16L8B-IE17131
SYNC PATTERN (30H, F5H), FILL (CCH) SELECT
IENC 7 … IENC 0
DATASEL C: L
IDSL 1 C
IDSL 0 C
VIDEO/AUDIO 2
SCRDS: L
LATCH 2C
LATCH 3C
A10 MCK1: L
SYSEL C: L
CC/SY C
IDSEL C: L
10MCK 9
10MCK 10
10MCK 11
RST 2: L
SCRINH C: L
SCRSTART C
IEND 7 … IEND 0
10MCK16
10MCK17
10MCK18
10MCK19
SRCKC
SRCKD
PSRC
PSRD
FREC: L
RECCDC: L
RECCDD: L
TG, A13a
TG, A14c
+5V


SCRC0-SCRC7
PARALLEL TO SERIAL CONVERTER
IC-F21 uPD42505C
IC-F22 PAL16R4B-IE17191
IC-F24 PAL16R4B-IE17191
IC-E27 74F374PC
IC-E28 74F374PC
IC-E29 HD10124
IC-E30 MC10141L
IC-E31 HD10124
IC-E32 MC10141L
IC-E33 HD10231P
IC-E34 HD10102
IC-G31 HD10124
IC-G32 SN74LS00N
IC-G33 SN74LS04N
IC-G27 74F04PC
IC-F27 74F374PC
IC-F28 74F374PC
IC-F29 HD10124
IC-F30 MC10141L
IC-F31 HD10124
IC-F32 MC10141L
IC-F33 HD10231P
IC-F34 HD10102
IC-G22 PAL16R4B-IE17191
IC-G24 PAL16R4B-IE17191
IC-G26 uPD42505C
IC-G25 uPD42505C
RB15 470x4
RB16 470x4
RB19 470x4
RB20 470x4
AUDIO C/A 2 FROM 1/4
SCRDLC 7 168 TO 2/4
SCRDLC 6 169 TO 2/4
SCRDLC 5 170 TO 2/4
SCRDLC 4 171 TO 2/4
SCRDLC 3 172 TO 2/4
SCRDLC 2 173 TO 2/4
SCRDLC 1 174 TO 2/4
SCRDLC 0 175 TO 2/4
REC CY A9c
REC CX A8c
REC CG A10c
CN-A (CN651)-41
EE CX A14c SY-70A, B8c
EE CY A15c SY-70A, B8a
EE CG A16c SY-70A, B8b
*NOTE
PIN NO. OF EDGE CONNECTORS
EX.) A12abc
PIN NO.
CONNECTOR NO.
A: CN101 (CN722)
B: CN102 (CN723)
C: CN103 (CN724)
REC DY A9a
REC DX A8a
REC DG A10a
CN-A (CN651)-42
EE DX A14a SY-70A, B9c
EE DY A15a SY-70A, B9a
EE DG A16a SY-70A, B9b
SCRDLD 7 176 TO 2/4
SCRDLD 6 177 TO 2/4
SCRDLD 5 178 TO 2/4
SCRDLD 4 179 TO 2/4
SCRDLD 3 180 TO 2/4
SCRDLD 2 181 TO 2/4
SCRDLD 1 182 TO 2/4
SCRDLD 0 183 TO 2/4
ADV CTL C0 191 FROM 2/4
ADV CTL C1 192 FROM 2/4
ADV CTL C2 193 FROM 2/4
ADV CTL C3 194 FROM 2/4
ADV CTL C4 195 FROM 2/4
RST3; L 10 FROM 1/4
RST1C; L 19C FROM 1/4

IE-17 BOARD (4/4)
BOARD NO. 1-620-918-12
DVPC-1000 (J) : #10701-
DVPC-1000 (U/C) : #21001-
DVPC-1000 (EK) : #11001-

SECTION C
SEMICONDUCTOR PIN ASSIGNMENTS

この章の図の中には互換性のないダイオード，トランジスタ，ICが併記されていることがあります。部品を交換するときには必ず部品表を参照して下さい。

等価回路はICメーカーのData Bookに従いました。

The chart in this section may sometimes show diodes, transistors, and ICs that are not interchangeable. When replacing a component, be sure to refer to the parts list.

The circuit diagram of each IC is obtained from the IC data book published by the manufacturer.

TYPE	PAGE
10E-2	C-3
1S1555	C-3
1S1587	C-3
1S2076	C-3
1S2473	C-3
1SS119	C-3
1SS120	C-3
1SS133	C-3
1SS148	C-3
1SS97-2	C-3
1SZ51	C-3
2SA1005	C-3
2SA1015	C-3
2SA1048	C-3
2SA1115	C-3
2SA1206	C-3
2SA1220A	C-3
2SA1223	C-3
2SA564	C-3
2SA715	C-3
2SA733	C-3
2SA812	C-3
2SA872	C-3
2SA872A	C-3
2SA933S	C-3
2SA995	C-3
2SB757	C-3
2SC1162	C-3
2SC1623	C-3
2SC1733	C-3
2SC1740S	C-3
2SC1775	C-3
2SC1775A	C-3
2SC1815	C-3
2SC2216	C-3
2SC2458	C-3
2SC2603	C-3
2SC2690A	C-3
2SC2724	C-3
2SC2878	C-3
2SC3068	C-3
2SC634-SP7	C-3
2SD847	C-3
2SD998	C-3
2SK152	C-3
2SK523-L1	C-3
74F00PC	C-4
74F04PC	C-4
74F08PC	C-4
74F138PC	C-4
74F158PC	C-5
74F163APC	C-6
74F240PC	C-7
74F241PC	C-7
74F244PC	C-7
74F253PC	C-7
74F283PC	C-7
74F32PC	C-7
74F353PC	C-8
74F374PC	C-8
74F399PC	C-8
74F534PC	C-8
74F74PC	C-8
74F86PC	C-8

TYPE	PAGE
AM26LS31CN	C-9
AM26LS31PC	C-9
AM26LS32AC	C-9
AM26LS32PC	C-9
AM2966PC	C-9
AM686HC	C-9
AN7815	C-9
AN78L05	C-10
AN78L08	C-10
AN78L12	C-10
AN7915	C-10
AN79L12	C-10
BX1040	C-11
BX1229	C-10
BX1244	C-10
BX1306	C-11
BX365A	C-9
BX366A	C-9
BX3931A	C-11
CX773B	C-16
CX20018	C-12
CX20149	C-12
CX20160	C-13
CX20167	C-12
CX20202	C-13
CX20202A-1	C-13
CX20202A-2	C-13
CX20202A-3	C-13
CX20214	C-13
CX23033	C-14
CX23038	C-13
CX23043	C-15
CX23053	C-15
CX23065	C-21
CXA1016P	C-15
CXA1389P	C-15
CXB1001G	C-18
CXD1037G	C-19
CXD1038G	C-20
CXD1039G	C-19
CXD1040G	C-21
CXK5416P-55L	C-21
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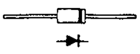

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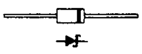
GP08 ?
SIB01-02



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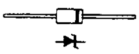

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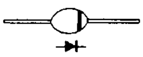

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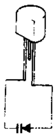

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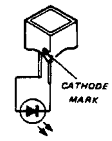
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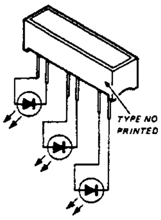
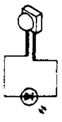
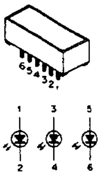
LD-101VR : RED


TYPE NO PRINTED

LD-701GG : GREEN



LN25RP : RED
LN35BP : GREEN
LN45YP : AMBER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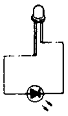
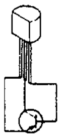
LT9010D : RED
LT9010N2 : YELLOWISH GREEN



TLG124A : GREEN
TLR124 : RED



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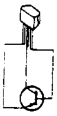

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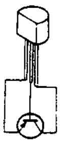

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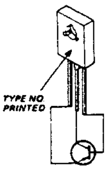
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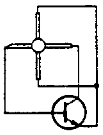

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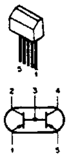

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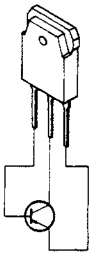

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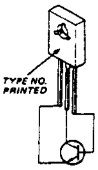
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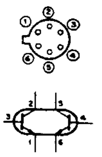
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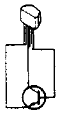

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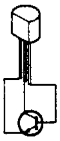

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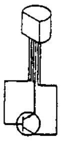
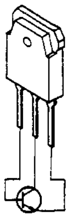
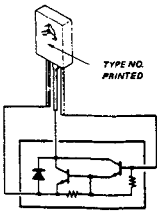


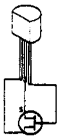
2SC2216



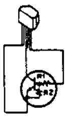
2SD847


TYPE NO. PRINTED

2SD998

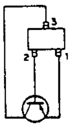


2SK152
2SK523



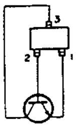
DTC124ES (R1=22K, R2=22K)

TOP VIEW (SCALE 4/1)



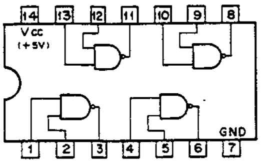
2SA812

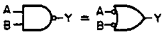
TOP VIEW (SCALE 4/1)



2SC1623

74F00PC (FSC)
HD74ALS00P (HITACHI)
HD74LS00P (HITACHI)
M53200P (MITSUBISHI)
M74LS00P (MITSUBISHI)
MB74LS00 (FUJITSU)
MC74F00N (MOTOROLA)
N74F00N (SIGNETICS)
SN7400N (TI)
SN74ALS00AN (TI)
SN74ALS00N (TI)
SN74AS00N (TI)
SN74LS00N (TI)
SN74LS00NS (TI) FLAT PACKAGE
SN74S00N (TI)
SN74S00NS (TI) FLAT PACKAGE
TTL 2-INPUT POSITIVE-NAND GATE
— TOP VIEW —


14
13
12
11
10
9
8
Vcc
(+5V)
GND
1
2
3
4
5
6
7

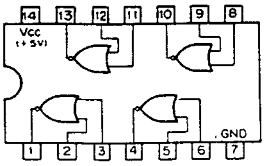


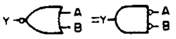
$Y = \overline{A \cdot B} = \bar{A} + \bar{B}$

A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

0; LOW LEVEL
1; HIGH LEVEL

74F02PC (FSC)
HD74LS02P (HITACHI)
M53202P (MITSUBISHI)
M74LS02P (MITSUBISHI)
MB74LS02 (FUJITSU)
MC74F02N (MOTOROLA)
N74F02N (SIGNETICS)
SN7402N (TI)
SN74ALS02N (TI)
SN74ALS02NS (TI) FLAT PACKAGE
SN74AS02N (TI)
SN74LS02N (TI)
SN74S02N (TI)
TTL 2-INPUT POSITIVE-NOR GATE
— TOP VIEW —


14
13
12
11
10
9
8
Vcc
(+5V)
GND
1
2
3
4
5
6
7

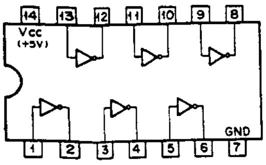


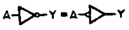
$Y = \overline{A + B} = \bar{A} \cdot \bar{B}$

A	B	Y
0	0	1
0	1	0
1	0	0
1	1	0

0; LOW LEVEL
1; HIGH LEVEL

74F04PC (FSC)
HD74LS04P (HITACHI)
M53204P (MITSUBISHI)
M74LS04P (MITSUBISHI)
MB74LS04 (FUJITSU)
MC74F04N (MOTOROLA)
N74F04N (SIGNETICS)
SN7404N (TI)
SN74ALS04AN (TI)
SN74ALS04BN
SN74ALS04N (TI)
SN74AS04N (TI)
SN74L04N (TI)
SN74LS04N (TI)
SN74LS04NS (TI) FLAT PACKAGE
SN74S04N (TI)
TTL INVERTER
— TOP VIEW —


14
13
12
11
10
9
8
Vcc
(+5V)
GND
1
2
3
4
5
6
7

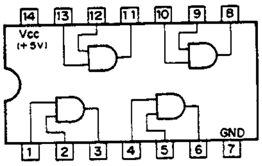


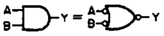
$Y = \bar{A}$

A	Y
0	1
1	0

0; LOW LEVEL
1; HIGH LEVEL

74F08PC (FSC)
HD74LS08N (HITACHI)
HD74LS08P (HITACHI)
M74LS08P (MITSUBISHI)
MB74LS08 (FUJITSU)
MC74F08N (MOTOROLA)
N74F08N (SIGNETICS)
SN7408N (TI)
SN74ALS08N (TI)
SN74AS08N (TI)
SN74LS08N (TI)
SN74S08N (TI)
TTL 2-INPUT POSITIVE-AND GATE
— TOP VIEW —


14
13
12
11
10
9
8
Vcc
(+5V)
GND
1
2
3
4
5
6
7

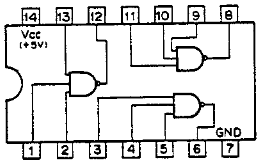


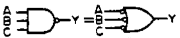
$Y = A \cdot B = \overline{\bar{A} + \bar{B}}$

A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

0; LOW LEVEL
1; HIGH LEVEL

74F10PC (FSC)
HD74LS10P (HITACHI)
M74LS10P (MITSUBISHI)
MB74LS10 (FUJITSU)
MC74F10N (MOTOROLA)
SN7410N (TI)
SN74ALS10N (TI)
SN74AS10N (TI)
SN74L10N (TI)
SN74LS10N (TI)
SN74S10N (TI)
TTL 3-INPUT POSITIVE NAND GATE
— TOP VIEW —


14
13
12
11
10
9
8
Vcc
(+5V)
GND
1
2
3
4
5
6
7

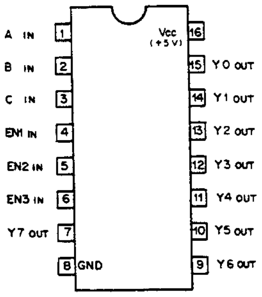


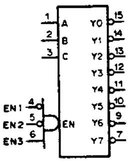
$Y = \overline{ABC} = \bar{A} + \bar{B} + \bar{C}$

A	B	C	Y
0	0	0	1
0	0	1	1
0	1	0	1
0	1	1	1
1	0	0	1
1	0	1	1
1	1	0	1
1	1	1	0

0 : LOW LEVEL
1 : HIGH LEVEL

74F138PC (FSC)
HD74LS138P (HITACHI)
M74LS138P (MITSUBISHI)
MB74LS138 (FUJITSU)
MC74F138PC (MOTOLORA)
N74F138N (SIGNETICS)
SN74ALS138N (TI)
SN74AS138N (TI)
SN74LS138N (TI)
SN74S138N (TI)
TTL 3-TO-8-LINE DECODER/DEMULTIPLEXER
— TOP VIEW —


A IN 1
B IN 2
C IN 3
EN1 IN 4
EN2 IN 5
EN3 IN 6
Y7 OUT 7
8 GND
Vcc
(+5V) 16
15 Y0 OUT
14 Y1 OUT
13 Y2 OUT
12 Y3 OUT
11 Y4 OUT
10 Y5 OUT
9 Y6 OUT

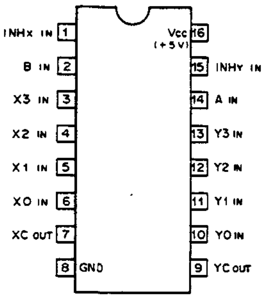

1 A
2 B
3 C
EN1 4
EN2 5
EN3 6
EN
Y0 15
Y1 14
Y2 13
Y3 12
Y4 11
Y5 10
Y6 9
Y7 7

INPUTS				OUTPUTS							
EN	C	B	A	Y7	Y6	Y5	Y4	Y3	Y2	Y1	Y0
0	X	X	X	1	1	1	1	1	1	1	1
1	0	0	0	1	1	1	1	1	1	1	0
1	0	0	1	1	1	1	1	1	1	0	1
1	0	1	0	1	1	1	1	1	0	1	1
1	0	1	1	1	1	1	1	0	1	1	1
1	1	0	0	1	1	1	0	1	1	1	1
1	1	0	1	1	1	0	1	1	1	1	1
1	1	1	0	1	0	1	1	1	1	1	1
1	1	1	1	0	1	1	1	1	1	1	1

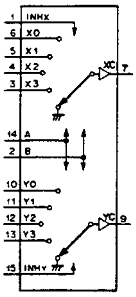
$EN = \overline{EN1} \cdot \overline{EN2} \cdot EN3$

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

74F153PC (FSC)
HD74LS153P (HITACHI)
M74LS153P (MITSUBISHI)
MB74LS153 (FUJITSU)
MC74F153N (MOTOROLA)
SN74153N (TI)
SN74ALS153N (TI)
SN74ALS153NS (TI) FLAT PACKAGE
SN74L153N (TI)
SN74LS153N (TI)
SN74S153N (TI)
TTL 4-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER
— TOP VIEW —



INHx IN 1
B IN 2
X3 IN 3
X2 IN 4
X1 IN 5
X0 IN 6
XC OUT 7
8 GND
Vcc (+5V) 16
15 INHy IN
14 A IN
13 Y3 IN
12 Y2 IN
11 Y1 IN
10 Y0 IN
9 YC OUT

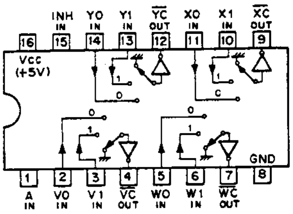


1 INHx
6 X0
5 X1
4 X2
3 X3
XC 7
14 A
2 B
10 Y0
11 Y1
12 Y2
13 Y3
YC 9
15 INHy

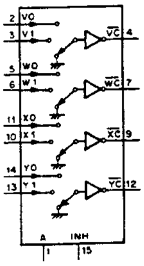
CONTROL IN			ON CHANNEL
INH	B	A	
0	0	0	0
0	0	1	1
0	1	0	2
0	1	1	3
1	X	X	GND

0 : LOW LEVEL
1 : HIGH LEVEL
X : DON'T CARE

74F158PC (FSC)
HD74LS158P (HITACHI)
MB74LS158 (FUJITSU)
MC74F158N (MOTOROLA)
N74F158N (SIGNETICS)
SN74LS158N (TI)
SN74S158N (TI)
TTL 2-LINE-TO-1-LINE INVERTED DATA SELECTOR/MULTIPLEXER
— TOP VIEW —



INH IN
Y0 IN
Y1 IN
$\overline{YC}$ OUT
X0 IN
X1 IN
$\overline{XC}$ OUT
16 15 14 13 12 11 10 9
Vcc (+5V)
GND
1 2 3 4 5 6 7 8
A IN
V0 IN
V1 IN
$\overline{VC}$ OUT
W0 IN
W1 IN
$\overline{WC}$ OUT

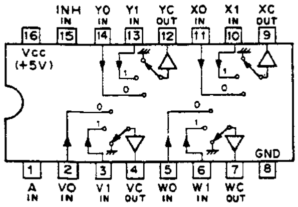


2 V0
3 V1
$\overline{VC}$ 4
5 W0
6 W1
$\overline{WC}$ 7
11 X0
10 X1
$\overline{XC}$ 9
14 Y0
13 Y1
$\overline{YC}$ 12
A 1
INH 15

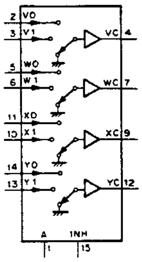
CONT. IN		ON CHANNEL
INH	A	
0	0	0
0	1	1
1	X	GND

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

74F157PC (FSC)
HD74LS157P (HITACHI)
M74LS157P (MITSUBISHI)
MB74LS157 (FUJITSU)
MC74F157N (MOTOROLA)
N74F157N (SIGNETICS)
SN74157N (TI)
SN74ALS157N (TI)
SN74AS157N (TI)
SN74L157N (TI)
SN74LS157N (TI)
SN74LS157NS (TI) FLAT PACKAGE
SN74S157N (TI)
TTL 2-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER
— TOP VIEW —



INH IN
Y0 IN
Y1 IN
YC OUT
X0 IN
X1 IN
XC OUT
16 15 14 13 12 11 10 9
Vcc (+5V)
GND
1 2 3 4 5 6 7 8
A IN
V0 IN
V1 IN
VC OUT
W0 IN
W1 IN
WC OUT

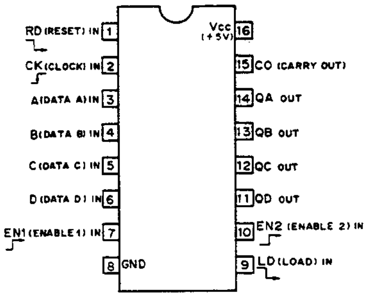


2 V0
3 V1
VC 4
5 W0
6 W1
WC 7
11 X0
10 X1
XC 9
14 Y0
13 Y1
YC 12
A 1
INH 15

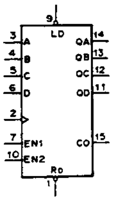
CONT. IN		ON CHANNEL
INH	A	
0	0	0
0	1	1
1	X	GND

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

74F161APC (FSC)
HD74LS161P (HITACHI)
M74LS161AP (MITSUBISHI)
MB74LS161A (FUJITSU)
SN74161N (TI)
SN74ALS161AN (TI)
SN74ALS161BN (TI)
SN74LS161AN (TI)
TTL PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER
— TOP VIEW —



RD (RESET) IN 1
CK (CLOCK) IN 2
A (DATA A) IN 3
B (DATA B) IN 4
C (DATA C) IN 5
D (DATA D) IN 6
EN1 (ENABLE 1) IN 7
8 GND
Vcc (+5V) 16
15 CO (CARRY OUT)
14 QA OUT
13 QB OUT
12 QC OUT
11 QD OUT
10 EN2 (ENABLE 2) IN
9 LD (LOAD) IN



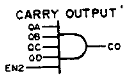
9 LD
3 A
4 B
5 C
6 D
2
7 EN1
10 EN2
RD 1
QA 14
QB 13
QC 12
QD 11
CO 15

MODE SELECTION

CONTROL INPUTS				MODE
RD	LD	EN1	EN2	
0	X	X	X	RESET (ASYNCHRONOUS)
1	0	X	X	PRESET (SYNCHRONOUS)
1	1	0	X	NO COUNT
1	1	X	0	NO COUNT
1	1	1	1	COUNT

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

CARRY OUTPUT "CO"



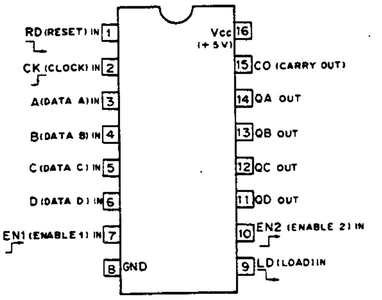
QA
QB
QC
QD
EN2
CO

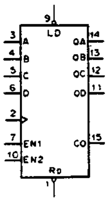
CO IS HIGH WHEN EN2 INPUT IS HIGH AND COUNT IS "15".

COUNT SEQUENCE

COUNT	OUTPUTS			
	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

74F163PC (FSC)
74F163APC (FSC)
HD74LS163P (HITACHI)
M74LS163P (MITSUBISHI)
MB74LS163A (FUJITSU)
SN74163N (TI)
SN74ALS163AN (TI)
SN74ALS163N (TI)
SN74AS163N (TI)
SN74LS163AN (TI)
SN74LS163ANS (TI) FLAT PACKAGE
SN74S163N (TI)
TTL PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER
— TOP VIEW —


RD (RESET) IN 1
CK (CLOCK) IN 2
A (DATA A) IN 3
B (DATA B) IN 4
C (DATA C) IN 5
D (DATA D) IN 6
EN1 (ENABLE 1) IN 7
8 GND
Vcc (+5V) 16
15 CO (CARRY OUT)
14 QA OUT
13 QB OUT
12 QC OUT
11 QD OUT
10 EN2 (ENABLE 2) IN
9 LD (LOAD) IN


LD
9
3 A
4 B
5 C
6 D
2
7 EN1
10 EN2
RD
1
QA 14
QB 13
QC 12
QD 11
CO 15

MODE SELECTION

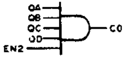
CONTROL INPUTS				MODE
RD	LD	EN1	EN2	
0	X	X	X	RESET (SYNCHRONOUS)
1	0	X	X	PRESET (SYNCHRONOUS)
1	1	0	X	NO COUNT
1	1	X	0	NO COUNT
1	1	1	1	COUNT

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

COUNT SEQUENCE

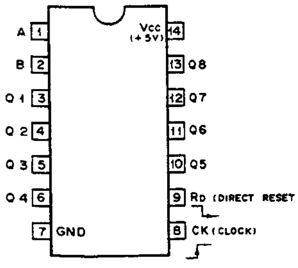
COUNT	OUTPUTS			
	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

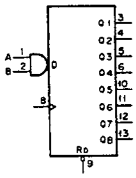
CARRY OUTPUT "CO"


QA
QB
QC
QD
EN2
CO

CO IS HIGH WHEN EN2 INPUT IS HIGH AND COUNT IS "15".

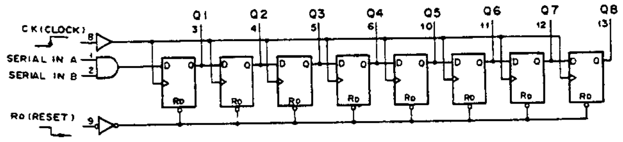
74F164PC (FSC)
HD74LS164P (HITACHI)
MB74LS164 (FUJITSU)
SN74164N (TI)
SN74L164N (TI)
SN74LS164N (TI)
SN74LS164NS (TI) FLAT PACKAGE
TTL 8-BIT PARALLEL-OUT SERIAL SHIFT REGISTER
— TOP VIEW —


A 1
B 2
Q1 3
Q2 4
Q3 5
Q4 6
7 GND
Vcc (+5V) 14
13 Q8
12 Q7
11 Q6
10 Q5
9 RD (DIRECT RESET)
8 CK (CLOCK)

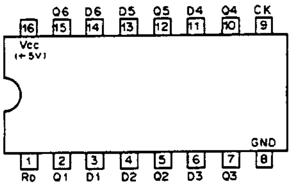

A 1
B 2
D
8
RD
9
Q1 3
Q2 4
Q3 5
Q4 6
Q5 10
Q6 11
Q7 12
Q8 13

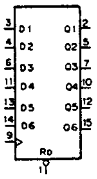
INPUTS				OUTPUTS			
RD	CK	A	B	Q1	Q2	----	Q8
0	X	X	X	0	0	0	0
1	0	X	X	Q1o	Q2o	----	Q8o
1	↑	1	1	1	Q1n	----	Q7n
1	↑	0	X	0	Q1n	----	Q7n
1	↑	X	0	0	Q1n	----	Q7n

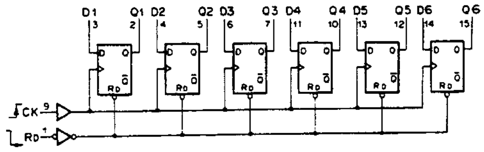
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE


CK (CLOCK) 8
SERIAL IN A 1
SERIAL IN B 2
RD (RESET) 9
Q1 3
Q2 4
Q3 5
Q4 6
Q5 10
Q6 11
Q7 12
Q8 13
D Q
RD

74F174PC (FSC)
HD74LS174P (HITACHI)
M74LS174P (MITSUBISHI)
MB74LS174 (FUJITSU)
MC74F174N (MOTOROLA)
SN74174N (TI)
SN74ALS174N (TI)
SN74LS174N (TI)
SN74S174N (TI)
TTL D-TYPE FLIP-FLOP WITH DIRECT RESET
— TOP VIEW —


Q6 D6 D5 Q5 D4 Q4 CK
16 15 14 13 12 11 10 9
Vcc (+5V)
GND
1 2 3 4 5 6 7 8
RD Q1 D1 D2 Q2 D3 Q3


3 D1 Q1 2
4 D2 Q2 5
6 D3 Q3 7
11 D4 Q4 10
13 D5 Q5 12
14 D6 Q6 15
9
RD
1

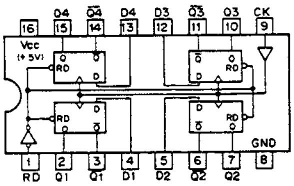

D1 Q1 D2 Q2 D3 Q3 D4 Q4 D5 Q5 D6 Q6
3 2 4 5 6 7 11 10 13 12 14 15
D Q
RD Q̄
CK 9
RD 1

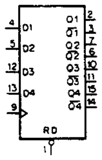
EACH FLIP-FLOP

INPUTS			OUT
RD	CK	D	Q
0	X	X	0
1	↑	0	0
1	↑	1	1
1	0	X	Qo

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

74F175PC (FSC)
HD74LS175P (HITACHI)
M74LS175P (MITSUBISHI)
MB74LS175 (FUJITSU)
MC74F175N (MOTOROLA)
SN74175N (TI)
SN74ALS175N (TI)
SN74ALS175NS (TI) FLAT PACKAGE
SN74AS175N (TI)
SN74LS175N (TI)
SN74S175N (TI)
TTL D-TYPE FLIP-FLOP WITH CLEAR
— TOP VIEW —

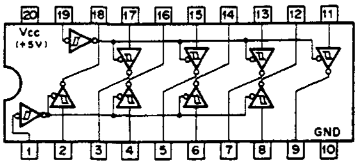

Q4 Q̄4 D4 D3 Q̄3 Q3 CK
16 15 14 13 12 11 10 9
Vcc (+5V)
RD D Q Q̄
GND
1 2 3 4 5 6 7 8
RD Q1 Q̄1 D1 D2 Q̄2 Q2


4 D1
5 D2
12 D3
13 D4
9
RD
1
Q1 Q̄1 Q2 Q̄2 Q3 Q̄3 Q4 Q̄4
2 3 7 6 10 11 15 14

RD	CK	D	Q	Q̄
0	X	X	0	1
1	↑	1	1	0
1	↑	0	0	1
1	0	X	Qo	Q̄o

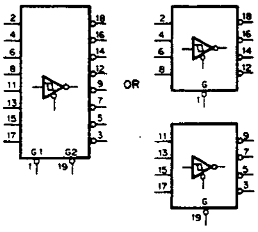
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

74F240PC (FSC)
HD74LS240P (HITACHI)
N74F240N (SIGNETICS)
SN74ALS240AN (TI)
SN74ALS240-1N (TI)
SN74AS240N (TI)
SN74LS240N (TI)
SN74S240N (TI)
TTL 3-STATE SCHMITT TRIGGER INVERTER/LINE DRIVER
— TOP VIEW —

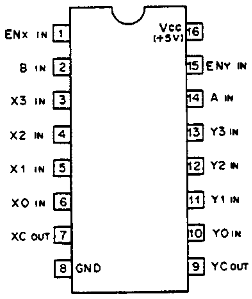

20
19
18
17
16
15
14
13
12
11
Vcc (+5V)
GND
1
2
3
4
5
6
7
8
9
10

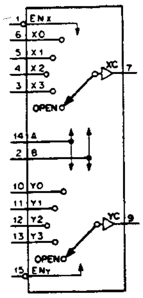
G	A	Y
0	0	1
0	1	0
1	X	HI-Z

0;LOW LEVEL
1;HIGH LEVEL
X;DON'T CARE
HI-Z;HIGH IMPEDANCE


2
4
6
8
11
13
15
17
18
16
14
12
9
7
5
3
G1
G2
1
19
OR
G
1
G
19

74F253PC (FSC)
HD74LS253P (HITACHI)
M74LS253P (MITSUBISHI)
MB74LS253 (FUJITSU)
SN74LS253N (TI)
TTL 4-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER
— TOP VIEW —

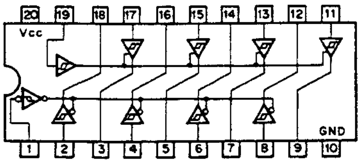

ENx IN 1
B IN 2
X3 IN 3
X2 IN 4
X1 IN 5
X0 IN 6
XC OUT 7
8 GND
Vcc (+5V) 16
15 ENY IN
14 A IN
13 Y3 IN
12 Y2 IN
11 Y1 IN
10 Y0 IN
9 YC OUT

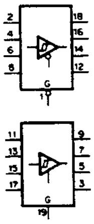

1 ENx
6 X0
5 X1
4 X2
3 X3
OPEN
XC 7
14 A
2 B
10 Y0
11 Y1
12 Y2
13 Y3
OPEN
YC 9
15 ENY

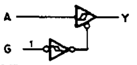
CONTROL IN			ON CHANNEL
EN	B	A	
0	0	0	0
0	0	1	1
0	1	0	2
0	1	1	3
1	X	X	OPEN

0;LOW LEVEL
1;HIGH LEVEL
X;DON'T CARE

74F241PC (FSC)
HD74LS241P (HITACHI)
SN74ALS241AN (TI)
SN74AS241N (TI)
SN74LS241N (TI)
SN74S241N (TI)
TTL 3-STATE SCHMITT TRIGGER BUFFER/LINE DRIVER
— TOP VIEW —

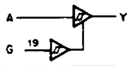

20
19
18
17
16
15
14
13
12
11
Vcc
GND
1
2
3
4
5
6
7
8
9
10


2
4
6
8
18
16
14
12
G
1
11
13
15
17
9
7
5
3
G
19



G	A	Y
0	0	0
0	1	1
1	0	HI-Z
1	1	HI-Z

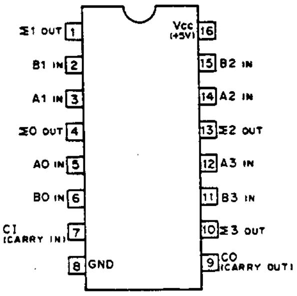
HI-Z;
HIGH IMPEDANCE

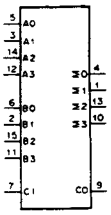


G	A	Y
0	0	HI-Z
0	1	HI-Z
1	0	0
1	1	1

HI-Z;
HIGH IMPEDANCE

74F283PC (FSC)
HD74LS283P (HITACHI)
MB74LS283 (FUJITSU)
SN74283N (TI)
SN74LS283N (TI)
SN74S283N (TI)
TTL 4-BIT BINARY FULL ADDER
— TOP VIEW —

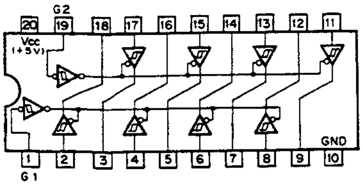

Σ1 OUT 1
B1 IN 2
A1 IN 3
Σ0 OUT 4
A0 IN 5
B0 IN 6
CI (CARRY IN) 7
8 GND
Vcc (+5V) 16
15 B2 IN
14 A2 IN
13 Σ2 OUT
12 A3 IN
11 B3 IN
10 Σ3 OUT
9 CO (CARRY OUT)


5 A0
3 A1
14 A2
12 A3
6 B0
2 B1
15 B2
11 B3
7 CI
Σ0 4
Σ1 1
Σ2 13
Σ3 10
CO 9

	2^4	2^3	2^2	2^1	2^0	DIGIT
					CI	CARRY IN
		A3	A2	A1	A0	DATA A IN
+)		B3	B2	B1	B0	DATA B IN
	CO	Σ3	Σ2	Σ1	Σ0	CARRY&SUM OUT

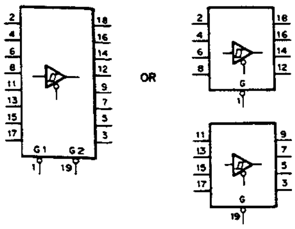
EX.					1	CI
		1	0	1	1	A
+)		1	0	1	0	B
	1	0	1	1	0	OUTPUTS
	CO	Σ3	Σ2	Σ1	Σ0	

74F244PC (FSC)
HD74LS244P (HITACHI)
M74LS244P (MITSUBISHI)
MB74LS244 (FUJITSU)
N74F244N (SIGNETICS)
SN74ALS244AN (TI)
SN74LS244N (TI)
TTL 3-STATE SCHMITT TRIGGER BUFFER/DRIVER
— TOP VIEW —

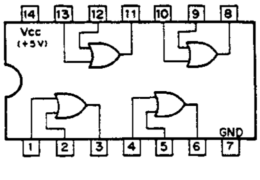

G2
20
19
18
17
16
15
14
13
12
11
Vcc (+5V)
GND
1
2
3
4
5
6
7
8
9
10
G1

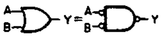
G	A	Y
0	0	0
0	1	1
1	X	HI-Z

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
HI-Z;HIGH IMPEDANCE


2
4
6
8
11
13
15
17
18
16
14
12
9
7
5
3
G1
G2
1
19
OR
G
1
G
19

74F32PC (FSC)
HD74LS32P (HITACHI)
M74LS32P (MITSUBISHI)
MB74LS32 (FUJITSU)
MC74F32N (MOTOROLA)
N74F32N (SIGNETICS)
SN7432N (TI)
SN74ALS32NS (TI) FLAT PACKAGE
SN74ALS32N (TI)
SN74AS32N (TI)
SN74LS32N (TI)
SN74S32N (TI)
TTL 2-INPUT POSITIVE-OR GATE
— TOP VIEW —


14
13
12
11
10
9
8
Vcc (+5V)
GND
1
2
3
4
5
6
7

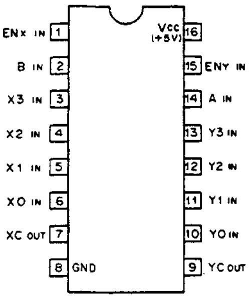


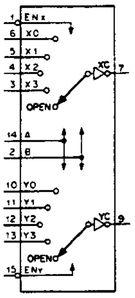
$Y = A+B = \overline{\overline{A} \cdot \overline{B}}$

A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

0:LOW LEVEL
1:HIGH LEVEL

74F353PC (FSC)
TTL 4-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER
— TOP VIEW —

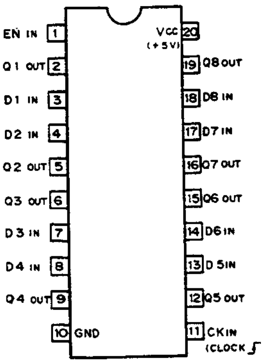

ENx IN 1
B IN 2
X3 IN 3
X2 IN 4
X1 IN 5
X0 IN 6
XC OUT 7
8 GND
Vcc (+5V) 16
15 ENY IN
14 A IN
13 Y3 IN
12 Y2 IN
11 Y1 IN
10 Y0 IN
9 YC OUT

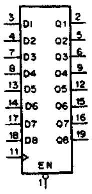

ENx
XC
X1
X2
X3
OPEN
XC
7
A
B
Y0
Y1
Y2
Y3
OPEN
ENY
YC
9

CONTROL IN			ON CHANNEL
EN	B	A	
0	0	0	0
0	0	1	1
0	1	0	2
0	1	1	3
1	X	X	OPEN

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

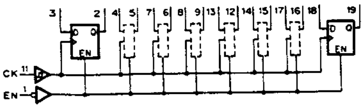
74F374PC (FSC)
HD74LS374P (HITACHI)
M74LS374P (MITSUBISHI)
MC74F374N (MOTOROLA)
N74F374N (SIGNETICS)
SN74ALS374N (TI)
SN74AS374N (TI)
SN74LS374N (TI)
SN74S374N (TI)
TTL 3-STATE OUTPUTS OCTAL D-TYPE FLIP-FLOP
— TOP VIEW —


EN IN 1
Q1 OUT 2
D1 IN 3
D2 IN 4
Q2 OUT 5
Q3 OUT 6
D3 IN 7
D4 IN 8
Q4 OUT 9
10 GND
Vcc (+5V) 20
19 Q8 OUT
18 D8 IN
17 D7 IN
16 Q7 OUT
15 Q6 OUT
14 D6 IN
13 D5 IN
12 Q5 OUT
11 CK IN (CLOCK ↑)

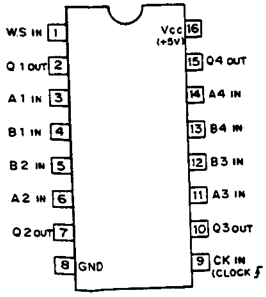

D1
D2
D3
D4
D5
D6
D7
D8
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
EN
11
1

INPUTS			OUT
EN	D	CK	Q
0	1	↑	1
0	0	↑	0
0	X	0	Qo
1	X	X	HI-Z

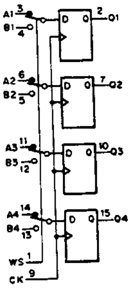
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE

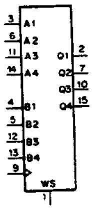

3
2
4
5
7
6
8
9
13
12
14
15
17
16
18
19
EN
CK 11
EN 1

74F399PC (FSC)
SN74LS399N (TI)
TTL QUAD 2-INPUT MULTIPLEXER WITH STORAGE
— TOP VIEW —


WS IN 1
Q1 OUT 2
A1 IN 3
B1 IN 4
B2 IN 5
A2 IN 6
Q2 OUT 7
8 GND
Vcc (+5V) 16
15 Q4 OUT
14 A4 IN
13 B4 IN
12 B3 IN
11 A3 IN
10 Q3 OUT
9 CK IN (CLOCK ↑)

WS ; WORD SELECT

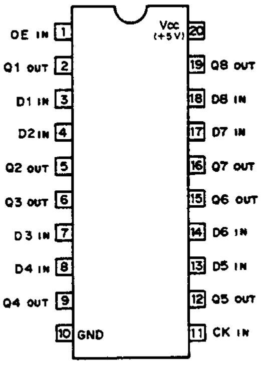

A1 3
B1 4
Q1 2
A2 6
B2 5
Q2 7
A3 11
B3 12
Q3 10
A4 14
B4 13
Q4 15
WS 1
CK 9

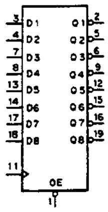

A1
A2
A3
A4
B1
B2
B3
B4
Q1
Q2
Q3
Q4
WS
1

WS	CK	Q
0	↑	A
1	↑	B
X	0	Qo

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

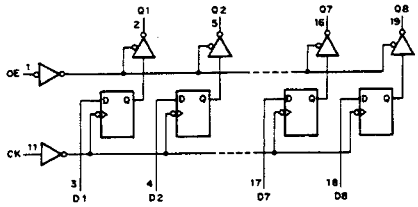
74F534PC (FSC)
N74F534N (SIGNETICS)
MC74F534N (MOTOROLA)
SN74ALS534N (TI)
TTL D-TYPE EDGE-TRIGGERED FLIP-FLOPS WITH 3-STATE OUTPUTS
— TOP VIEW —


OE IN 1
Q1 OUT 2
D1 IN 3
D2 IN 4
Q2 OUT 5
Q3 OUT 6
D3 IN 7
D4 IN 8
Q4 OUT 9
10 GND
Vcc (+5V) 20
19 Q8 OUT
18 D8 IN
17 D7 IN
16 Q7 OUT
15 Q6 OUT
14 D6 IN
13 D5 IN
12 Q5 OUT
11 CK IN

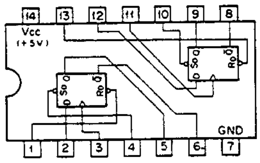

D1
D2
D3
D4
D5
D6
D7
D8
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
11
OE
1

INPUTS			OUTPUT
OE	CK	D	Q
0	↑	1	0
0	↑	0	1
0	0	X	Qo
1	X	X	HI-Z

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE


Q1
2
Q2
5
Q7
16
Q8
19
OE 1
CK 11
3
D1
4
D2
17
D7
18
D8

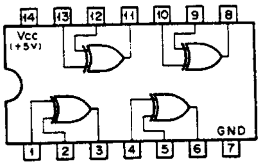
74F74PC (FSC)
HD74LS74AP (HITACHI)
HD74LS74P (HITACHI)
M53274P (MITSUBISHI)
M74LS74AP (MITSUBISHI)
MB74LS74A (FUJITSU)
MC74F74N (MOTOROLA)
SN7474N (TI)
SN74ALS74AN (TI)
SN74ALS74N (TI)
SN74AS74N (TI)
SN74H74N (TI)
SN74L74N (TI)
SN74LS74AN (TI)
SN74LS74ANS (TI) FLAT PACKAGE
SN74S74N (TI)
TTL D-TYPE FLIP FLOP WITH DIRECT SET/RESET
— TOP VIEW —


14
13
12
11
10
9
8
Vcc (+5V)
So
Ro
GND
1
2
3
4
5
6
7

INPUTS				OUTPUTS	
So	Ro	CK	D	Qn+1	$\overline{\text{Qn+1}}$
0	1	X	X	1	0
1	0	X	X	0	1
0	0	X	X	1*	1*
1	1	↑	1	1	0
1	1	↑	0	0	1
1	1	0	X	Qn	$\overline{\text{Qn}}$

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
1* ; NONSTABLE

74F86PC (FSC)
HD74LS86P (HITACHI)
M74LS86P (MITSUBISHI)
MB74LS86 (FUJITSU)
MC74F86N (MOTOROLA)
N74F86N (SIGNETICS)
SN7486N (TI)
SN74ALS86N (TI)
SN74LS86N (TI)
SN74S86N (TI)
TTL EXCLUSIVE OR GATE
— TOP VIEW —

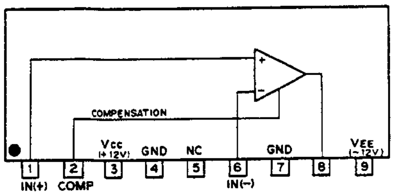

14
13
12
11
10
9
8
Vcc (+5V)
GND
1
2
3
4
5
6
7

$Y = \overline{A} \cdot B + A \cdot \overline{B}$

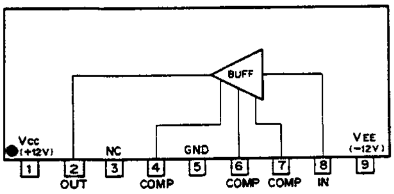
A	B	Y
0	0	0
0	1	1
1	0	1
1	1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

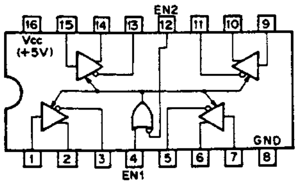
A7015
BX365A (SONY)
VIDEO AMPLIFIER
— SIDE VIEW —


COMPENSATION
Vcc (+12V)
GND
NC
GND
VEE (−12V)
1
2
3
4
5
6
7
8
9
IN(+)
COMP
IN(−)

A7021
BX366A (SONY)
VIDEO BUFFER
— SIDE VIEW —


BUFF
Vcc (+12V)
NC
GND
VEE (−12V)
1
2
3
4
5
6
7
8
9
OUT
COMP
COMP
COMP
IN

AM26LS31CN (TI)
AM26LS31PC (ADVANCED MICRO DEVICE)
HIGH SPEED DIFFERENTIAL LINE DRIVER
— TOP VIEW —

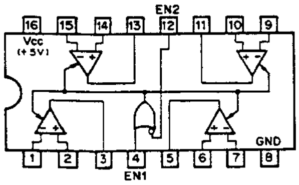

EN2
16
15
14
13
12
11
10
9
Vcc (+5V)
GND
1
2
3
4
5
6
7
8
EN1

FUNCTION TABLE

EN2	EN1	OUTPUT
0	0	ENABLE
0	1	ENABLE
1	0	HI-Z
1	1	ENABLE

0 ; LOW LEVEL
1 ; HIGH LEVEL
HI-Z ; HIGH IMPEDANCE

AM26LS32ACN (TI)
AM26LS32PC (ADVANCED MICRO DEVICES)
AM26LS33PC (ADVANCED MICRO DEVICES)
HIGH SPEED DIFFERENTIAL LINE RECEIVER
— TOP VIEW —


EN2
16
15
14
13
12
11
10
9
Vcc (+5V)
GND
1
2
3
4
5
6
7
8
EN1

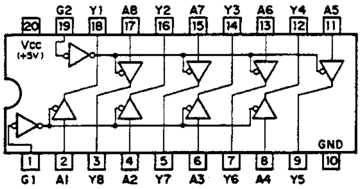
FUNCTION TABLE

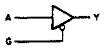
EN2	EN1	OUTPUT
0	0	ENABLE
0	1	ENABLE
1	0	HI-Z
1	1	ENABLE

0 ; LOW LEVEL
1 ; HIGH LEVEL
HI-Z ; HIGH IMPEDANCE

	SENSE	INPUT VOLT
LS32	±200mV	±7V
LS33	±500mV	±15V

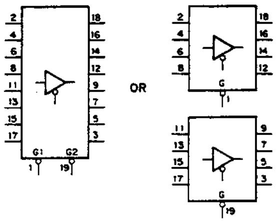
AM2966PC (ADVANCED MICRO DEVICE)
DYNAMIC MEMORY DRIVERS WITH 3-STATE OUTPUT
— TOP VIEW —


G2
Y1
A8
Y2
A7
Y3
A6
Y4
A5
20
19
18
17
16
15
14
13
12
11
Vcc (+5V)
GND
1
2
3
4
5
6
7
8
9
10
G1
A1
Y8
A2
Y7
A3
Y6
A4
Y5

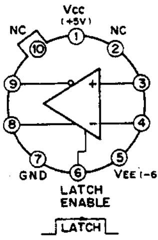


G	A	Y
1	X	HI-Z
0	0	0
0	1	1

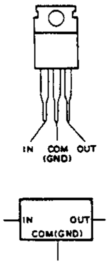
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE


2
4
6
8
11
13
15
17
18
16
14
12
9
7
5
3
G1
G2
1
19
OR
G
1
19

AM686HC (ADVANCED MICRO DEVICE)
VOLTAGE COMPARATOR
— TOP VIEW —


Vcc (+5V)
NC
NC
1
2
3
4
5
6
7
8
9
10
GND
VEE (−6V)
LATCH ENABLE
LATCH

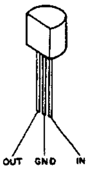
AN78 ? ? (MATSUSHITA)
FS78 ? ? (SANKEN)
HA178 ? ?P (HITACHI)
L78 ? ? (SANYO)
NJM78 ? ?A (JRC)
NJM78 ? ?B (JRC)
NJM78 ? ?K (JRC)
TA78 ? ? ?P (TOSHIBA)
TA78 ? ? ?AP (TOSHIBA)
uA78 ? ?UC (FSC)
uPC143 ? ?H (NEC)
uPC78 ? ?H (NEC)
POSITIVE VOLTAGE REGULATOR (1A)
— SIDE VIEW —


IN
COM (GND)
OUT
IN
OUT
COM(GND)

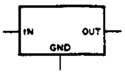
OUTPUT VOLTAGE	AN78??	FS78??	HA178??P	L78??	NJM78??B	NJM78??A/K
+5V	AN7805	FS7805	HA17805P	L7805	---------	NJM7805A/K
+6V	AN7806	------	HA17806P	-----	---------	NJM7806A/K
+7V	AN7807	------	HA17807P	L7807	---------	----------
+8V	AN7808	------	HA17808P	-----	---------	NJM7808A/K
+8.5V	------	------	--------	-----	---------	----------
+9V	AN7809	------	--------	-----	---------	NJM7809A/K
+10V	AN7810	------	--------	-----	---------	----------
+12V	AN7812	FS7812	HA17812P	-----	NJM7812B	NJM7812A/K
+15V	AN7815	FS7815	HA17815P	-----	---------	NJM7815A/K
+18V	AN7818	------	HA17818P	-----	---------	NJM7818A/K
+20V	AN7820	------	--------	-----	---------	NJM7820A/K
+24V	AN7824	FS7824	HA17824P	-----	---------	NJM7824A/K

OUTPUT VOLTAGE	uA78??UC	uPC143??H	uPC78??H	TA78???P/AP
+5V	uA7805UC	uPC14305H	uPC7805H	TA78005P/AP
+6V	uA7806UC	---------	--------	TA78006P/AP
+7V	--------	---------	--------	---------
+8V	uA7808UC	uPC14308H	uPC7808H	TA78008P/AP
+8.5V	uA7885UC	---------	--------	---------
+9V	--------	---------	--------	TA78009P/AP
+10V	--------	---------	--------	TA78010P/AP
+12V	uA7812UC	uPC14312H	uPC7812H	TA78012P/AP
+15V	uA7815UC	uPC14315H	uPC7815H	TA78015P/AP
+18V	uA7818UC	uPC14318H	uPC7818H	TA78018P/AP
+20V	--------	---------	--------	TA78020P/AP
+24V	uA7824UC	uPC14324H	uPC7824H	TA78024P/AP

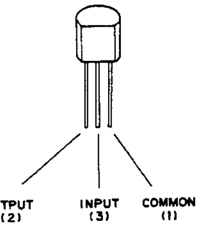
AN78L ? ? (MATSUSHITA)
NJM78L ? ?A (NEC)
uA78L ? ?ACL (TI)
uA78L ? ?AWV (FSC)
uPC78L ? ?J(NEC)
POSITIVE VOLTAGE REGULATOR (100mA)



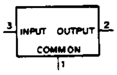
OUTPUT VOLTAGE	NJM78L??A	uA78L??ACL	uA78L??AWV	uPC78L??J	AN78L??
+2.6V	NJM78L02A	uA78L02ACL	uA78L26AWV	---------	-------
+4V	---------	----------	----------	---------	AN78L04
+5V	NJM78L05A	uA78L05ACL	uA78L05AWV	uPC78L05J	AN78L05
+6V	NJM78L06A	----------	----------	---------	AN78L06
+6.2V	---------	uA78L06ACL	uA78L62AWV	---------	-------
+7V	---------	----------	----------	---------	AN78L07
+8V	NJM78L08A	uA78L08ACL	----------	uPC78L08J	AN78L08
+8.2V	---------	----------	uA78L82AWV	---------	-------
+9V	NJM78L09A	uA78L09ACL	uA78L09AWV	---------	AN78L09
+10V	---------	uA78L10ACL	----------	uPC78L10J	AN78L10
+12V	NJM78L12A	uA78L12ACL	uA78L12AWV	uPC78L12J	AN78L12
+15V	NJM78L15A	uA78L15ACL	uA78L15AWV	uPC78L15J	AN78L15
+18V	NJM78L18A	----------	uA78L18AWV	---------	AN78L18
+20V	NJM78L20A	----------	----------	---------	AN78L20
+24V	NJM78L24A	----------	uA78L24AWV	---------	AN78L24



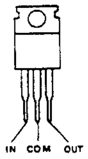
AN79L ? ? (MATSUSHITA)
NEGATIVE VOLTAGE REGULATOR (100mA)
— FRONT VIEW —



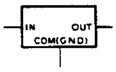
OUTPUT VOLTAGE	??
- 4V	04
- 5V	05
- 6V	06
- 7V	07
- 8V	08
- 9V	09
-10V	10
-12V	12
-15V	15
-18V	18
-20V	20
-24V	24



AN78M ? ? (MATSUSHITA)
FS78 ? ?M (SANKEN)
HA178M ? ?P (HITACHI)
L78M ? ? (SANYO)
uA78M ? ?UC (FSC)
uPC78M ? ?H (NEC)
POSITIVE VOLTAGE REGULATOR (0.5A)
— SIDE VIEW —

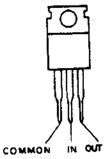


OUTPUT VOLTAGE	uA78M??UC	FS78??M	uPC78M??H	L78M??	HA178M??P
+5V	uA78M05UC	FS7805M	uPC78M05H	L78M05	HA178M05P
+6V	uA78M06UC	-------	---------	------	HA178M06P
+7V	---------	-------	---------	------	HA178M07P
+8V	uA78M08UC	-------	uPC78M08H	------	HA178M08P
+12V	uA78M12UC	FS7812M	uPC78M12H	------	HA178M12P
+15V	uA78M15UC	FS7815M	uPC78M15H	------	HA178M15P
+18V	---------	-------	---------	------	HA178M18P
+20V	uA78M20UC	-------	---------	------	HA178M20P
+24V	uA78M24UC	FS7824M	uPC78M24H	------	HA178M24P

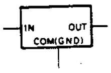


OUTPUT VOLTAGE	AN78M??
+5V	AN78M05
+6V	AN78M06
+7V	AN78M07
+8V	AN78M08
+9V	AN78M09
+10V	AN78M10
+12V	AN78M12
+15V	AN78M15
+18V	AN78M18
+20V	AN78M20
+24V	AN78M24

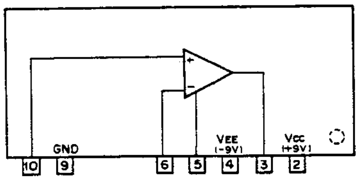
AN79M ? ? (MATSUSHITA)
FS79 ? ?M (SANKEN)
uA79M ? ?AUC (FSC)
uPC79M ? ?H (NEC)
NEGATIVE VOLTAGE REGULATOR (0.5A)
— SIDE VIEW —



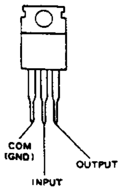
OUTPUT VOLTAGE	uA79M??AUC	FS79??M	AN79M??	uPC79M??H
-5V	uA79M05AUC	FS7905M	AN79M05	uPC79M05H
-6V	uA79M06AUC	-------	AN79M06	---------
-7V	----------	-------	AN79M07	---------
-8V	uA79M08AUC	-------	AN79M08	uPC79M08H
-9V	----------	-------	AN79M09	---------
-10V	----------	-------	AN79M10	---------
-12V	uA79M12AUC	FS7912M	AN79M12	uPC79M12H
-15V	uA79M15AUC	FS7915M	AN79M15	uPC79M15H
-18V	----------	-------	AN79M18	uPC79M18H
-20V	uA79M20AUC	-------	AN79M20	---------
-24V	uA79M24AUC	FS7924M	AN79M24	uPC79M24H



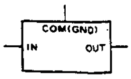
BX1229 (SONY)
FLOATING INPUT VIDEO AMPLIFIER
— REAR VIEW —



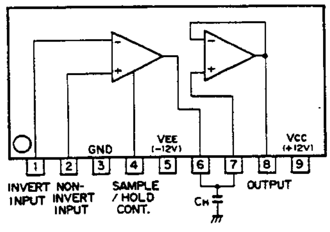
AN79 ? ? (MATSUSHITA)
FS79 ? ? (SANKEN)
MC79 ? ?CT (MOTOROLA)
uA79 ? ?UC (FSC)
uPC79 ? ?H (NEC)
NEGATIVE VOLTAGE REGULATOR (1A)
— SIDE VIEW —



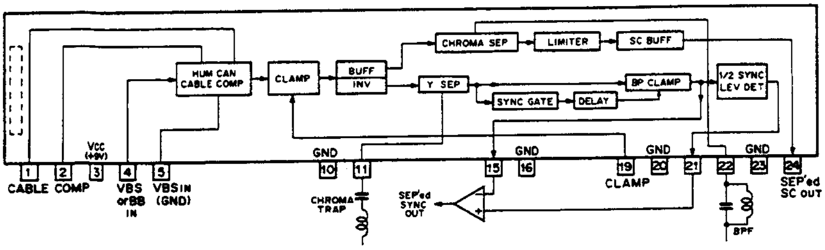
OUTPUT VOLTAGE	AN79??	FS79??	uA79??UC	uPC79??H	MC79??CT
-2V	------	------	--------	--------	MC7902CT
-5V	AN7905	FS7905	uA7905UC	uPC7905H	MC7905CT
-5.2V	------	------	--------	--------	MC7905.2CT
-6V	AN7906	------	uA7906UC	--------	MC7906CT
-7V	AN7907	------	--------	--------	--------
-8V	AN7908	------	uA7908UC	uPC7908H	MC7908CT
-9V	AN7909	------	--------	--------	--------
-10V	AN7910	------	--------	--------	--------
-12V	AN7912	------	uA7912UC	uPC7912H	MC7912CT
-15V	AN7915	------	uA7915UC	uPC7915H	MC7915CT
-18V	AN7918	------	uA7918UC	uPC7918H	MC7918CT
-20V	AN7920	------	--------	--------	--------
-24V	AN7924	------	uA7924UC	uPC7924H	MC7924CT



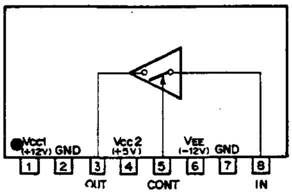
BX1244 (SONY)
SAMPLE AND HOLD.
— PRINTED SIDE VIEW —



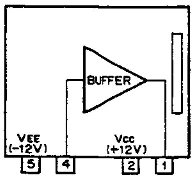
BX1040 (SONY)
SYNC SEPARATOR
— REAR VIEW —


HUM CAN
CABLE COMP
CLAMP
BUFF
INV
CHROMA SEP
LIMITER
SC BUFF
Y SEP
SYNC GATE
DELAY
BP CLAMP
1/2 SYNC
LEV DET
Vcc
(+9V)
GND
GND
GND
GND
1
2
3
4
5
10
11
15
16
19
20
21
22
23
24
CABLE COMP
VBS
or BB
IN
VBS IN
(GND)
CHROMA TRAP
SEP'ed
SYNC
OUT
CLAMP
SEP'ed
SC OUT
BPF

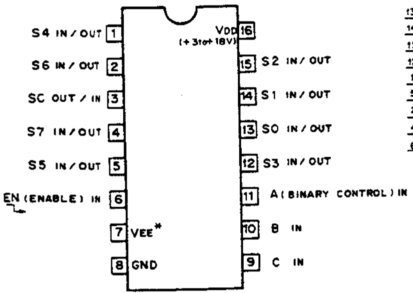
BX1306 (SONY)
VIDEO AND RF SWITCH
— SIDE VIEW —


Vcc1
(+12V)
GND
Vcc2
(+5V)
VEE
(−12V)
GND
1
2
3
4
5
6
7
8
OUT
CONT
IN

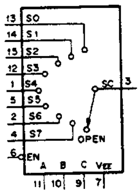
BX3931 (SONY)
BX3931A (SONY)
HYBRID VIDEO WIDEBAND
BUFFER AMPLIFIER
— IMPRINTED SIDE —


BUFFER
VEE
(−12V)
Vcc
(+12V)
5
4
2
1

CD4051BE (RCA)
F4051BPC (FSC)
HD14051BP (HITACHI)
MB84051B (FUJITSU)
MC14051BCP (MOTOROLA)
MSM4051BRS (OKI)
TC4051BF (TOSHIBA) FLAT PACKAGE
TC4051BP (TOSHIBA)
TP4051B (TI)
uPD4051BC (NEC)
C-MOS 8-CHANNEL MULTIPLEXER/DEMULTIPLEXER
— TOP VIEW —


S4 IN/OUT 1
S6 IN/OUT 2
SC OUT/IN 3
S7 IN/OUT 4
S5 IN/OUT 5
EN (ENABLE) IN 6
7 VEE*
8 GND
VDD 16
(+3 to +18V)
15 S2 IN/OUT
14 S1 IN/OUT
13 S0 IN/OUT
12 S3 IN/OUT
11 A (BINARY CONTROL) IN
10 B IN
9 C IN

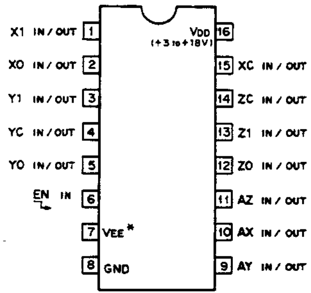
VEE*; VDD − VEE: +3 to +18V


13 S0
14 S1
15 S2
12 S3
1 S4
5 S5
2 S6
4 S7
6 EN
SC 3
OPEN
A
B
C
VEE
11
10
9
7

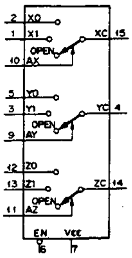
EN	C	B	A	"ON" CHANNEL
0	0	0	0	0
0	0	0	1	1
0	0	1	0	2
0	0	1	1	3
0	1	0	0	4
0	1	0	1	5
0	1	1	0	6
0	1	1	1	7
1	X	X	X	OPEN

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

CD4053BE (RCA)
HD14053BP (HITACHI)
MB84053B (FUJITSU)
MC14053BCP (MOTOROLA)
MSM4053 (OKI)
TC4053BF (TOSHIBA) FLAT PACKAGE
TC4053BFHB (TOSHIBA)
TC4053BP (TOSHIBA)
uPD4053BC (NEC)
uPD4053BG (NEC) FLAT PACKAGE
C-MOS 2-CHANNEL MULTIPLEXER/DEMULTIPLEXER
— TOP VIEW —


X1 IN/OUT 1
X0 IN/OUT 2
Y1 IN/OUT 3
YC IN/OUT 4
Y0 IN/OUT 5
EN IN 6
7 VEE*
8 GND
VDD 16
(+3 to +18V)
15 XC IN/OUT
14 ZC IN/OUT
13 Z1 IN/OUT
12 Z0 IN/OUT
11 AZ IN/OUT
10 AX IN/OUT
9 AY IN/OUT

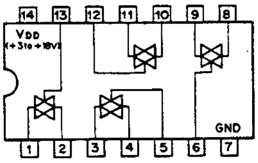
VEE*; VDD − VEE: +3 to +18V

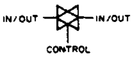

2 X0
1 X1
10 AX
OPEN
XC 15
5 Y0
3 Y1
9 AY
OPEN
YC 4
12 Z0
13 Z1
11 AZ
OPEN
ZC 14
EN
VEE
6
7

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

CONT. INPUTS		ON CHANNEL
EN	A (X,Y,Z,)	
0	0	0
0	1	1
1	X	OPEN

CD4066AE/BE (RCA)
HD14066BP (HITACHI)
MB84066B (FUJITSU)
MC14066BCP (MOTOROLA)
MSM4066 (OKI)
TC4066BF (TOSHIBA) FLAT PACKAGE
TC4066BP (TOSHIBA)
uPD4066BC (NEC)
uPD4066C (NEC)
C-MOS BILATERAL ANALOG SWITCH
— TOP VIEW —

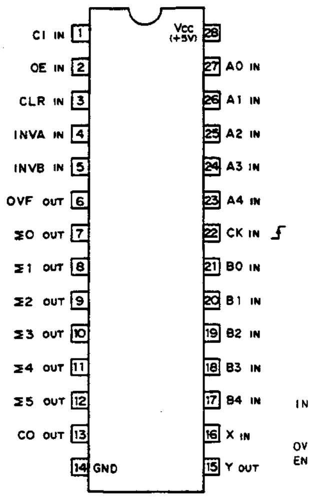

14
13
12
11
10
9
8
VDD
(+3 to +18V)
GND
1
2
3
4
5
6
7

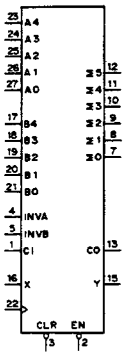

IN/OUT
IN/OUT
CONTROL

CONTROL	SWITCH
0	OFF
1	ON

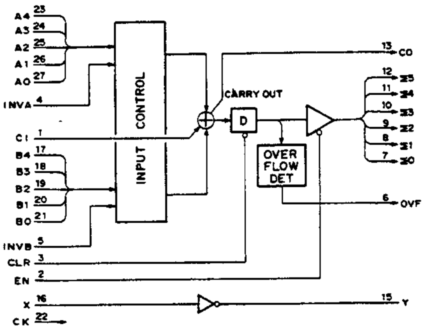
0; LOW LEVEL
1; HIGH LEVEL

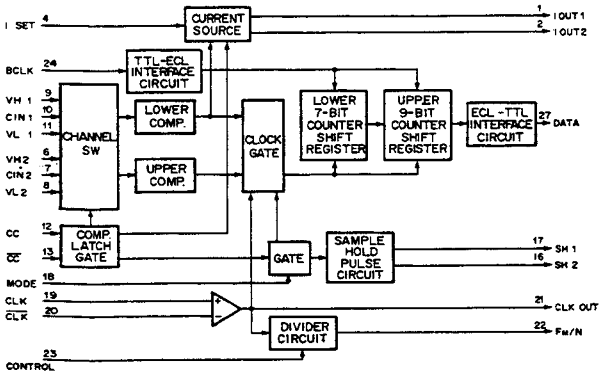
CX20167 (SONY)
TTL 5-BIT FULL ADDER WITH 3-STATE OUTPUTS
— TOP VIEW —


CI IN 1
OE IN 2
CLR IN 3
INVA IN 4
INVB IN 5
OVF OUT 6
Σ0 OUT 7
Σ1 OUT 8
Σ2 OUT 9
Σ3 OUT 10
Σ4 OUT 11
Σ5 OUT 12
CO OUT 13
14 GND
Vcc (+5V) 28
27 A0 IN
26 A1 IN
25 A2 IN
24 A3 IN
23 A4 IN
22 CK IN
21 B0 IN
20 B1 IN
19 B2 IN
18 B3 IN
17 B4 IN
16 X IN
15 Y OUT

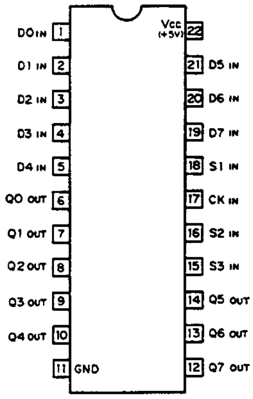

23 A4
24 A3
22 A2
26 A1
27 A0
17 B4
18 B3
19 B2
20 B1
21 B0
4 INVA
5 INVB
1 CI
16 X
22
Σ5 12
Σ4 11
Σ3 10
Σ2 9
Σ1 8
Σ0 7
CO 13
Y 15
CLR 3
EN 2

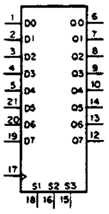
INVA, INVB; LOGIC LEVEL INVERSION SIGNAL INPUTS
OVF; OVER FLOW SIGNAL OUTPUT
EN; OUTPUT ENABLE SIGNAL INPUT WHEN EN IS "H", THE OUTPUTS ARE Hi-IMPEDANCE.


A4 23
A3 24
A2 25
A1 26
A0 27
INVA 4
CI 1
B4 17
B3 18
B2 19
B1 20
B0 21
INVB 5
CLR 3
EN 2
X 16
CK 22
CONTROL
INPUT
CARRY OUT
D
OVER FLOW DET
13 CO
12 Σ5
11 Σ4
10 Σ3
9 Σ2
8 Σ1
7 Σ0
6 OVF
15 Y


I SET 4
CURRENT SOURCE
1 IOUT1
2 IOUT2
BCLK 24
TTL-ECL INTERFACE CIRCUIT
VH 1 9
CIN 1 10
VL 1 11
VH2 6
CIN 2 7
VL 2 8
CHANNEL SW
LOWER COMP.
UPPER COMP.
CLOCK GATE
LOWER 7-BIT COUNTER SHIFT REGISTER
UPPER 9-BIT COUNTER SHIFT REGISTER
ECL-TTL INTERFACE CIRCUIT
27 DATA
CC 12
CC 13
COMP. LATCH GATE
GATE
SAMPLE HOLD PULSE CIRCUIT
17 SH 1
16 SH 2
MODE 18
CLK 19
CLK 20
21 CLK OUT
DIVIDER CIRCUIT
22 Fм/N
23 CONTROL

CX20149 (SONY)
BIT SHIFTER
— TOP VIEW —

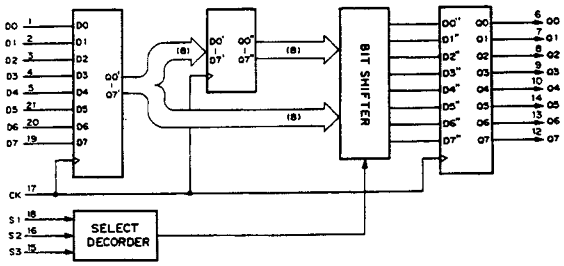

D0 IN 1
D1 IN 2
D2 IN 3
D3 IN 4
D4 IN 5
Q0 OUT 6
Q1 OUT 7
Q2 OUT 8
Q3 OUT 9
Q4 OUT 10
11 GND
Vcc (+5V) 22
21 D5 IN
20 D6 IN
19 D7 IN
18 S1 IN
17 CK IN
16 S2 IN
15 S3 IN
14 Q5 OUT
13 Q6 OUT
12 Q7 OUT


1 D0
2 D1
3 D2
4 D3
5 D4
21 D5
20 D6
19 D7
17
Q0 6
Q1 7
Q2 8
Q3 9
Q4 10
Q5 14
Q6 13
Q7 12
S1 S2 S3
18 16 15

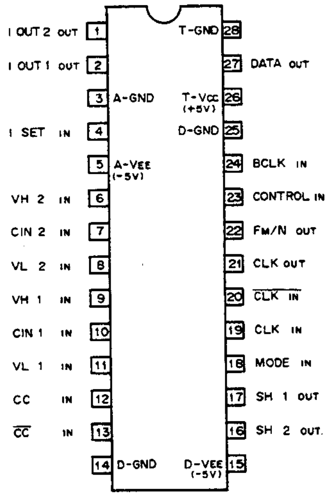
D0-D7 ; PARALLEL DATA INPUTS
Q0-Q7 ; PARALLEL DATA OUTPUTS
S1-S3 ; SHIFT SELECT INPUTS
CK ; CLOCK INPUT

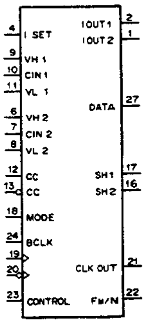
0 ; LOW LEVEL
1 ; HIGH LEVEL

INPUTS			OUTPUTS							
S3	S2	S1	Q7	Q6	Q5	Q4	Q3	Q2	Q1	Q0
0	0	0	Q7"	Q6"	Q5"	Q4"	Q3"	Q2"	Q1"	Q0"
0	0	1	Q6"	Q5"	Q4"	Q3"	Q2"	Q1"	Q0"	Q7'
0	1	0	Q5"	Q4"	Q3"	Q2"	Q1"	Q0"	Q7'	Q6'
0	1	1	Q4"	Q3"	Q2"	Q1"	Q0"	Q7'	Q6'	Q5'
1	0	0	Q3"	Q2"	Q1"	Q0"	Q7'	Q6'	Q5'	Q4'
1	0	1	Q2"	Q1"	Q0"	Q7'	Q6'	Q5'	Q4'	Q3'
1	1	0	Q1"	Q0"	Q7'	Q6'	Q5'	Q4'	Q3'	Q2'
1	1	1	Q0"	Q7'	Q6'	Q5'	Q4'	Q3'	Q2'	Q1'


D0 1
D1 2
D2 3
D3 4
D4 5
D5 21
D6 20
D7 19
CK 17
S1 18
S2 16
S3 15
Q0' - Q7'
(8)
D0' - D7'
Q0" - Q7"
(8)
(8)
BIT SHIFTER
SELECT DECORDER
D0" D1" D2" D3" D4" D5" D6" D7"
6 Q0
7 Q1
8 Q2
9 Q3
10 Q4
14 Q5
13 Q6
12 Q7

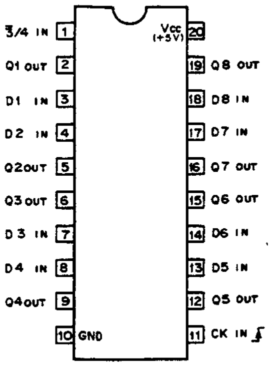
CX20018 (SONY)
DUAL 16 BIT MULTIPLEXED A/D CONVERTER
— TOP VIEW —

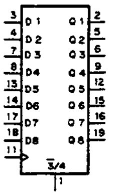

I OUT 2 OUT 1
I OUT 1 OUT 2
3 A-GND
I SET IN 4
5 A-VEE (-5V)
VH 2 IN 6
CIN 2 IN 7
VL 2 IN 8
VH 1 IN 9
CIN 1 IN 10
VL 1 IN 11
CC IN 12
CC IN 13
14 D-GND
T-GND 28
27 DATA OUT
T-Vcc (+5V) 26
D-GND 25
24 BCLK IN
23 CONTROL IN
22 FM/N OUT
21 CLK OUT
20 CLK IN
19 CLK IN
18 MODE IN
17 SH 1 OUT
16 SH 2 OUT.
D-VEE (-5V) 15


4 I SET
9 VH 1
10 CIN 1
11 VL 1
6 VH 2
7 CIN 2
8 VL 2
12 CC
13 CC
18 MODE
24 BCLK
19
20
23 CONTROL
IOUT1 2
IOUT2 1
DATA 27
SH1 17
SH2 16
CLK OUT 21
FM/N 22

I OUT 1,2 ; CHANNEL1,2 INTEGRAL CURRENT OUTPUT
I SET ; INTEGRAL CURRENT VALUE SETTING
VH 1,2 ; CHANNEL 1,2 UPPER COMPARATOR INPUT
CIN 1,2 ; CHANNEL 1,2 UPPER AND LOWER COMMON INPUT
VL 1,2 ; CHANNEL 1,2 LOWER COMPARATOR INPUT
CC ; CONVERSION COMMAND INPUT
SH 1,2 ; CHANNEL 1,2 SAMPLE HOLD PULSE OUTPUT
MODE ; STEREO/MONAURAL AND SAMPLE HOLD PULSE ON/OFF SELECT
FM/N ; DIVIDER OUTPUT
CONTROL ; DIVIDER OUTPUT RATIO SELECTOR
BCLK ; BIT CLOCK
T-GND ; TTL SYSTEM GROUND

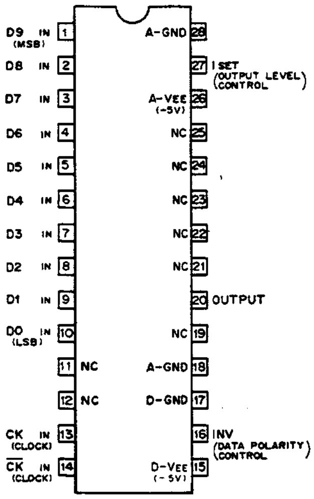
CX20160 (SONY)
TTL OCTAL 3 OR 4 STAGE SHIFT REGISTER
— TOP VIEW —

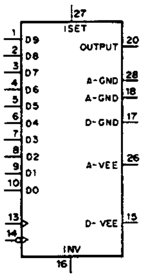

3/4 IN 1
Q1 OUT 2
D1 IN 3
D2 IN 4
Q2 OUT 5
Q3 OUT 6
D3 IN 7
D4 IN 8
Q4 OUT 9
10 GND
Vcc (+5V) 20
19 Q8 OUT
18 D8 IN
17 D7 IN
16 Q7 OUT
15 Q6 OUT
14 D6 IN
13 D5 IN
12 Q5 OUT
11 CK IN

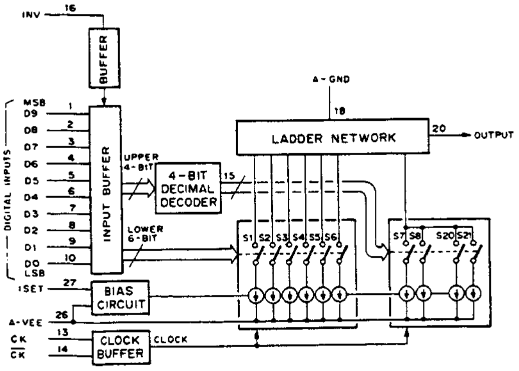

D1
D2
D3
D4
D5
D6
D7
D8
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
3/4

3/4; TOTAL STAGE SELECTION SIGNAL INPUT
H: 4 STAGES, L: 3 STAGES

CX20201 (SONY) FLAT PACKAGE
CX20202 (SONY)
CX20202A (SONY)
10-BIT D/A CONVERTER (ECL INPUT)
— TOP VIEW —


D9 IN 1 (MSB)
D8 IN 2
D7 IN 3
D6 IN 4
D5 IN 5
D4 IN 6
D3 IN 7
D2 IN 8
D1 IN 9
D0 IN 10 (LSB)
11 NC
12 NC
CK IN 13 (CLOCK)
CK IN 14 (CLOCK)
A-GND 28
27 I SET (OUTPUT LEVEL CONTROL)
A-VEE (-5V) 26
NC 25
NC 24
NC 23
NC 22
NC 21
20 OUTPUT
NC 19
A-GND 18
D-GND 17
16 INV (DATA POLARITY CONTROL)
D-VEE (-5V) 15


ISET
D9
D8
D7
D6
D5
D4
D3
D2
D1
D0
OUTPUT
A-GND
A-GND
D-GND
A-VEE
D-VEE
INV

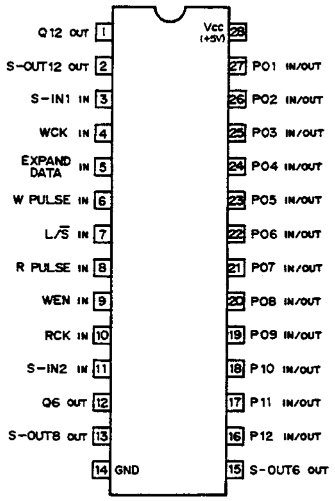

INV
BUFFER
MSB D9
D8
D7
D6
D5
D4
D3
D2
D1
D0 LSB
DIGITAL INPUTS
INPUT BUFFER
UPPER 4-BIT
4-BIT DECIMAL DECODER
LOWER 6-BIT
A-GND
LADDER NETWORK
OUTPUT
S1 S2 S3 S4 S5 S6
S7 S8 S20 S21
ISET
BIAS CIRCUIT
A-VEE
CK
CK
CLOCK BUFFER
CLOCK

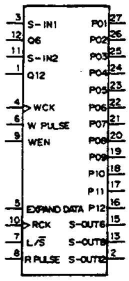
INV SELECTION

DATA INPUTS										OUTPUT	
D9	D8	D7	D6	D5	D4	D3	D2	D1	D0	INV "0"	INV "1"
1	1	1	1	1	1	1	1	1	1	Vo(OS)	Vo(OS)-1.000V
1	1	1	1	1	1	1	1	1	0	Vo(OS)-0.001V	Vo(OS)-0.999V
1	1	1	1	1	1	1	1	0	1	Vo(OS)-0.002V	Vo(OS)-0.998V
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
1	0	0	0	0	0	0	0	0	0	Vo(OS)-0.500V	Vo(OS)-0.502V
0	1	1	1	1	1	1	1	1	1	Vo(OS)-0.501V	Vo(OS)-0.501V
0	1	1	1	1	1	1	1	1	0	Vo(OS)-0.502V	Vo(OS)-0.500V
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
0	0	0	0	0	0	0	0	0	0	Vo(OS)-1.000V	Vo(OS)

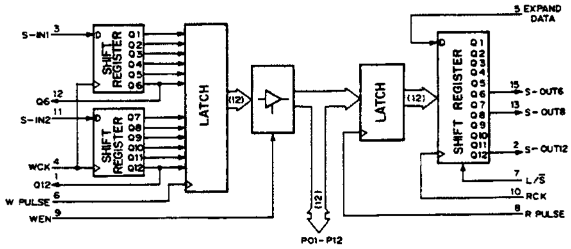
1; ECL HIGH LEVEL
0; ECL LOW LEVEL
Vo(OS); ZERO OFFSET

CX20214 (SONY)
12-BIT SERIAL-TO/FROM-PARALLEL SHIFT REGISTER
— TOP VIEW —

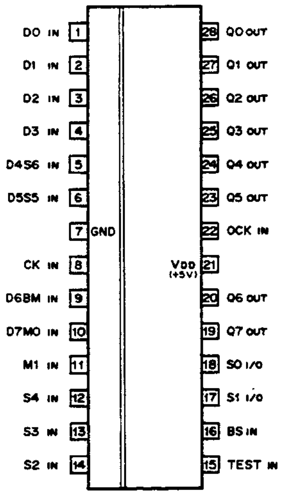

Q12 OUT 1
S-OUT12 OUT 2
S-IN1 IN 3
WCK IN 4
EXPAND DATA IN 5
W PULSE IN 6
L/S IN 7
R PULSE IN 8
WEN IN 9
RCK IN 10
S-IN2 IN 11
Q6 OUT 12
S-OUT8 OUT 13
14 GND
Vcc (+5V) 28
27 P01 IN/OUT
26 P02 IN/OUT
25 P03 IN/OUT
24 P04 IN/OUT
23 P05 IN/OUT
22 P06 IN/OUT
21 P07 IN/OUT
20 P08 IN/OUT
19 P09 IN/OUT
18 P10 IN/OUT
17 P11 IN/OUT
16 P12 IN/OUT
15 S-OUT6 OUT

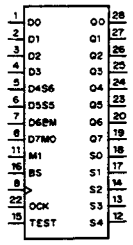

S-IN1
Q6
S-IN2
Q12
WCK
W PULSE
WEN
EXPAND DATA
RCK
L/S
R PULSE
P01
P02
P03
P04
P05
P06
P07
P08
P09
P10
P11
P12
S-OUT6
S-OUT8
S-OUT12

P01-P12; PARALLEL DATA INPUTS/OUTPUTS
S-IN1, S-IN2; SERIAL DATA INPUTS
Q6, Q12; SERIAL DATA OUTPUTS
S-OUT6; 6-STAGE SHIFT REGISTER OUTPUT
S-OUT8; 8-STAGE SHIFT REGISTER OUTPUT
S-OUT12; 12-STAGE SHIFT REGISTER OUTPUT
L/$\overline{S}$; LOAD/$\overline{\text{SHIFT}}$ SELECT INPUT
W PULSE; WRITE LATCH PULSE INPUT
R PULSE; READ LATCH PULSE INPUT
W CK; WRITE CLOCK INPUT
R CK; READ CLOCK INPUT
W EN; WRITE ENABLE INPUT

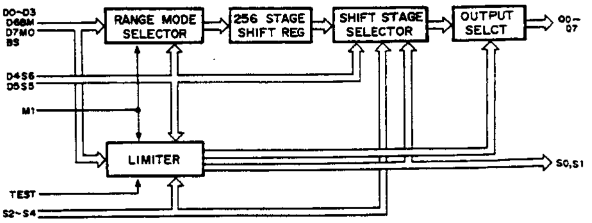

S-IN1 3
Q6 12
S-IN2 11
WCK 4
Q12 1
W PULSE 6
WEN 9
SHIFT REGISTER
Q1 Q2 Q3 Q4 Q5 Q6
Q7 Q8 Q9 Q10 Q11 Q12
LATCH
(12)
(12)
P01-P12
LATCH
(12)
SHIFT REGISTER
5 EXPAND DATA
15 S-OUT6
13 S-OUT8
2 S-OUT12
7 L/S
10 RCK
8 R PULSE

CX23038 (SONY)
C-MOS PROGRAMABLE SHIFT REGISTER
— TOP VIEW —

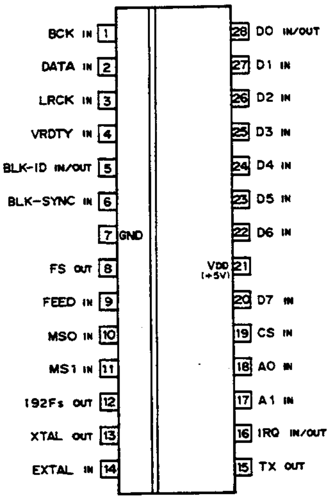

D0 IN 1
D1 IN 2
D2 IN 3
D3 IN 4
D4S6 IN 5
D5S5 IN 6
7 GND
CK IN 8
D6BM IN 9
D7MO IN 10
M1 IN 11
S4 IN 12
S3 IN 13
S2 IN 14
28 Q0 OUT
27 Q1 OUT
26 Q2 OUT
25 Q3 OUT
24 Q4 OUT
23 Q5 OUT
22 OCK IN
VDD (+5V) 21
20 Q6 OUT
19 Q7 OUT
18 S0 I/O
17 S1 I/O
16 BS IN
15 TEST IN

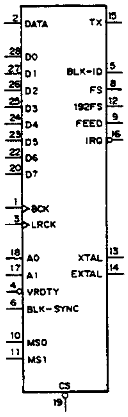

D0
D1
D2
D3
D4S6
D5S5
D6BM
D7MO
M1
BS
OCK
TEST
Q0
Q1
Q2
Q3
Q4
Q5
Q6
Q7
S0
S1
S2
S3
S4

D0~D3 : DATA INPUT
D4S6, D5S5 : DATA/SHIFT SELECT INPUT
S0~S4 : SHIFT SELECT INPUT
Q0~Q7 : DATA OUTPUT
D6BM : DATA/BIT SLICE INPUT
D7MO, M1 : DATA/RANGE MODE INPUT
BS : DATA/BIT SLICE CHANGE INPUT
CK : MAIN CLOCK
OCK : OUTPUT CLOCK
TEST : LIMITER SELECT INPUT


D0~D3
D6BM
D7MO
BS
RANGE MODE SELECTOR
256 STAGE SHIFT REG
SHIFT STAGE SELECTOR
OUTPUT SELCT
Q0~Q7
D4S6
D5S5
M1
LIMITER
S0,S1
TEST
S2~S4

CX23033 (SONY)
N-MOS DIGITAL AUDIO DATA MODULATOR/TRANSMITTER
— TOP VIEW —


BCK IN 1
DATA IN 2
LRCK IN 3
VRDTY IN 4
BLK-ID IN/OUT 5
BLK-SYNC IN 6
7 GND
FS OUT 8
FEED IN 9
MSO IN 10
MS1 IN 11
192Fs OUT 12
XTAL OUT 13
EXTAL IN 14
28 DO IN/OUT
27 D1 IN
26 D2 IN
25 D3 IN
24 D4 IN
23 D5 IN
22 D6 IN
VDD (+5V) 21
20 D7 IN
19 CS IN
18 AO IN
17 A1 IN
16 IRQ IN/OUT
15 TX OUT


DATA
TX
DO
D1
D2
D3
D4
D5
D6
D7
BLK-ID
FS
192FS
FEED
IRQ
BCK
LRCK
AO
A1
VRDTY
BLK-SYNC
MSO
MS1
XTAL
EXTAL
CS

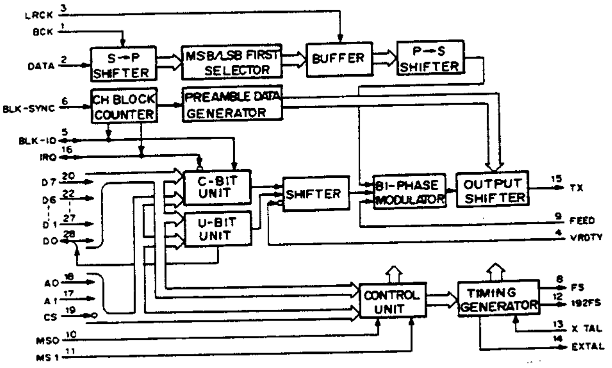
1 ; HIGH LEVEL
0 ; LOW LEVEL

MODE SELECT

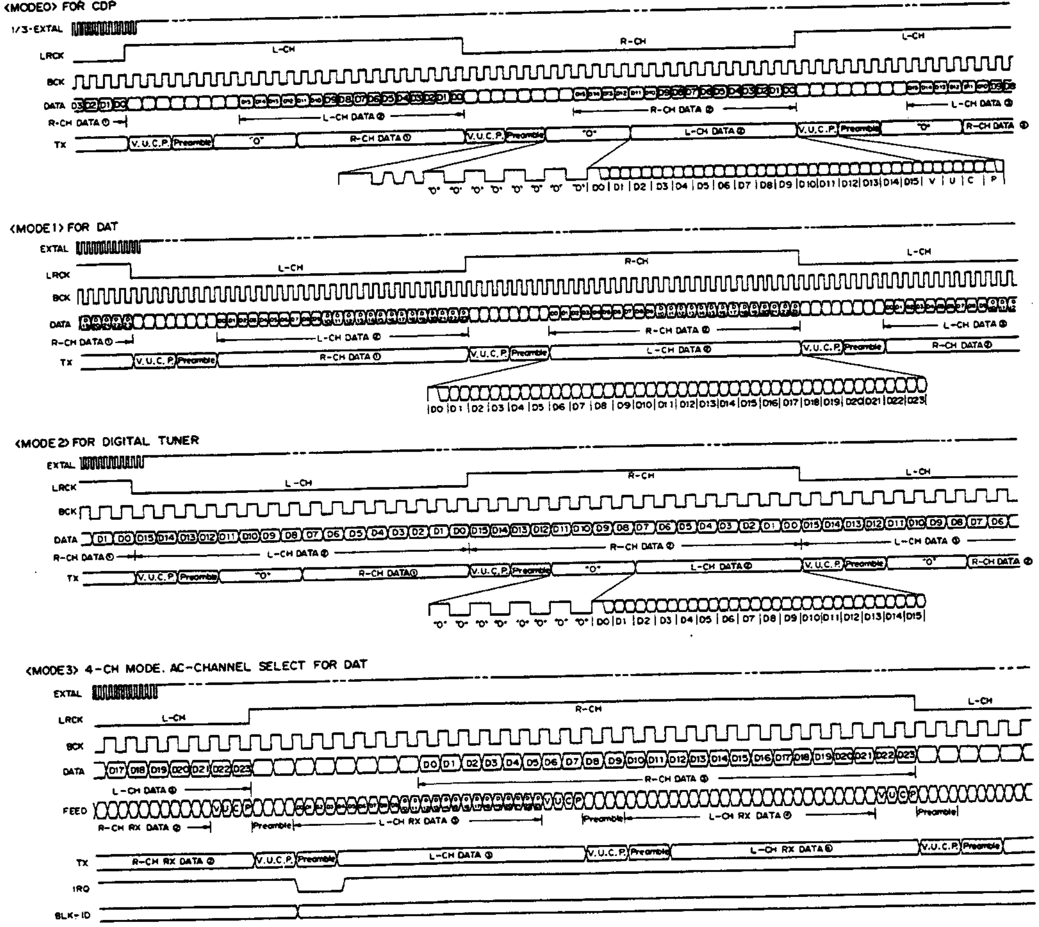
MSO	MS1	MODE
0	0	MODE 0 ; THE MODE IN WHICH DIGITAL OUT OF CD HAS BEEN PRESUPPOSED.
1	0	MODE 1 ; THE MODE IN WHICH DIGITAL OUT OF DAT HAS BEEN PRESUPPOSED.
0	1	MODE 2 ; THE MODE IN WHICH DIGITAL OUT DATA OF PCM TUNER HAS BEEN PRESUPPOSED.
1	1	MODE 3 ; THE MODE TO CONTROL THIS IC BY EMPLOYING A MICROPROCESSING UNIT.

SYMBOL	FUNCTION		
	MODE 0	MODE 1, 2	MODE 3
BCK	BIT CLOCK INPUT		
DATA	DIGITAL AUDIO DATA INPUT		
LRCK	L̄/R CHANNEL STATUS INPUT		
VRDTY	VALIDTY FLAG INPUT		
BLK-ID	C-BIT CATEGORY CODE C10 PRESET INPUT		C-BIT INDICATING OUTPUT
BLK-SYNC	SYNC INPUT AT THE HEAD OF C-BIT BLOCK		
FS	REFERENCE OUTPUT FOR PLL		
FEED	—		NRZ DEMOD DATA INPUT
MSO, MS1	MODE SELECT INPUTS		
192FS	MASTER CLOCK OUTPUT OF CD		
XTAL	CONNECT A CRYSTAL OSCILLATOR		
EXTAL	CONNECT A CRYSTAL OSCILLATOR/EXT CLOCK INPUT		
TX	MODULATED DATA OUTPUT		
IRQ	C-BIT CATEGORY CODE C9 PRESET INPUT		INTERRUPT REQUEST OUTPUT
A1	—		REGISTER SELECT INPUTS
AO	PLL MODE SELECT INPUT		
CS	—		DATA(DO-D7)WRITE INPUT
D7	TEST MODE SELECT INPUT	EMPHASIS INFORMATION IN	DATA BUS
D6	—	COPY INHI INPUT	
D5	—	ID 1 PRESET INPUT	
D4	SUBQ INPUT	ID 0 PRESET INPUT	
D3	SUB CODE BLOCK INDICATE PULSE INPUT		
D2	SUB CODE FRAME PULSE INPUT		
D1	SUB CODE SERIAL INPUT		
DO	SUBCODE TRANSMIT CLOCK OUTPUT		

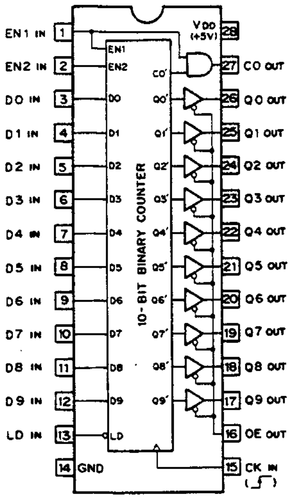
BLOCK DIAGRAM

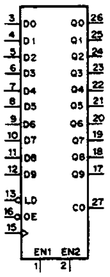

LRCK 3
BCK 1
DATA 2
BLK-SYNC 6
BLK-ID 5
IRQ 16
D7 20
D6 22
D1 27
DO 28
AO 18
A1 17
CS 19
MSO 10
MS1 11
S→P SHIFTER
MSB/LSB FIRST SELECTOR
BUFFER
P→S SHIFTER
CH BLOCK COUNTER
PREAMBLE DATA GENERATOR
C-BIT UNIT
U-BIT UNIT
SHIFTER
BI-PHASE MODULATOR
OUTPUT SHIFTER
CONTROL UNIT
TIMING GENERATOR
15 TX
9 FEED
4 VRDTY
8 FS
12 192FS
13 X TAL
14 EXTAL

TIMING CHART


<MODE0> FOR CDP
1/3-EXTAL
LRCK
L-CH
R-CH
BCK
DATA
R-CH DATA ①
L-CH DATA ②
R-CH DATA ②
TX
V.U.C.P.
Preamble
"0"
R-CH DATA ①
L-CH DATA ②
<MODE1> FOR DAT
EXTAL
LRCK
BCK
DATA
TX
<MODE2> FOR DIGITAL TUNER
EXTAL
LRCK
BCK
DATA
TX
<MODE3> 4-CH MODE. AC-CHANNEL SELECT FOR DAT
EXTAL
LRCK
BCK
DATA
FEED
R-CH RX DATA ②
L-CH RX DATA ③
TX
IRQ
BLK-ID

CX23043 (SONY)
N-MOS SYNCHRONOUS 10-BIT BINARY COUNTER
— TOP VIEW —


EN1 IN 1
EN2 IN 2
D0 IN 3
D1 IN 4
D2 IN 5
D3 IN 6
D4 IN 7
D5 IN 8
D6 IN 9
D7 IN 10
D8 IN 11
D9 IN 12
LD IN 13
14 GND
VDD (+5V) 28
27 CO OUT
26 Q0 OUT
25 Q1 OUT
24 Q2 OUT
23 Q3 OUT
22 Q4 OUT
21 Q5 OUT
20 Q6 OUT
19 Q7 OUT
18 Q8 OUT
17 Q9 OUT
16 OE OUT
15 CK IN
10-BIT BINARY COUNTER


D0
D1
D2
D3
D4
D5
D6
D7
D8
D9
LD
OE
Q0
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Q9
CO
EN1
EN2

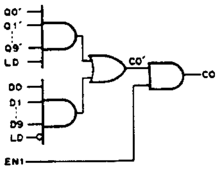
EN1	EN2	LD	FUNCTION
1	1	1	COUNT
0	X	1	NO COUNT
X	0	1	NO COUNT
X	X	0	LOAD

OE	Q0 to Q9 OUTPUT
0	Q0′ to Q9′
1	HI-IMPEDANCE

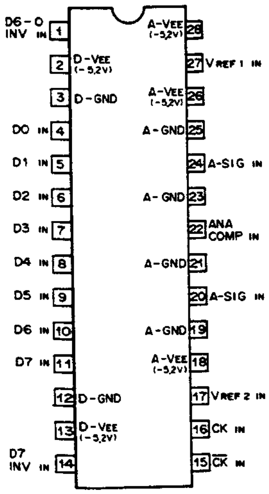
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

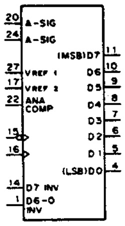
Q0 to Q9;	OUTPUTS
Q0′ to Q9′;	COUNTER OUTPUTS
D0 to D9;	INPUTS DATA
CO;	CARRY OUTPUT
OE;	OUTPUT ENABLE
LD;	INPUT DATA LOAD
EN1;	CLOCK & CARRY OUT ENABLE
EN2;	CLOCK ENABLE
CK;	CLOCK INPUT

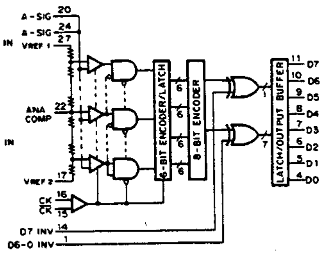
CARRY OUTPUT "CO"


Q0′
Q1′
Q9′
LD
D0
D1
D9
LD
EN1
CO′
CO

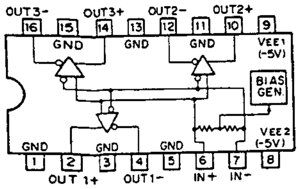
CXA1016D (SONY)
CXA1016P (SONY)
8-BIT FLASH TYPE A/D CONVERTER (30MS/s)
— SIDE VIEW —


D6-0 INV IN 1
2 D-VEE (-5.2V)
3 D-GND
D0 IN 4
D1 IN 5
D2 IN 6
D3 IN 7
D4 IN 8
D5 IN 9
D6 IN 10
D7 IN 11
12 D-GND
13 D-VEE (-5.2V)
D7 INV IN 14
A-VEE (-5.2V) 28
27 VREF1 IN
A-VEE (-5.2V) 26
A-GND 25
24 A-SIG IN
A-GND 23
22 ANA COMP IN
A-GND 21
20 A-SIG IN
A-GND 19
A-VEE (-5.2V) 18
17 VREF2 IN
16 CK IN
15 CK IN

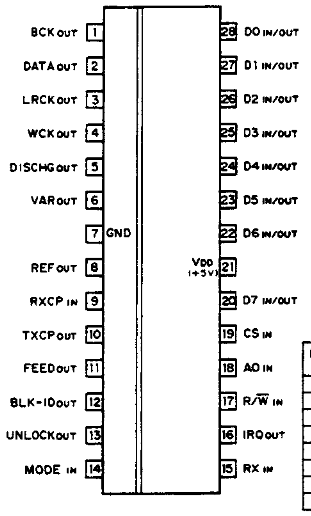

A-SIG
A-SIG
VREF1
VREF2
ANA COMP
(MSB) D7
D6
D5
D4
D3
D2
D1
(LSB) D0
D7 INV
D6-0 INV

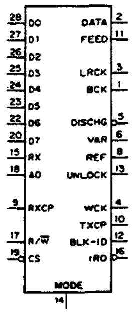

A-SIG
A-SIG
VREF1
ANA COMP
VREF2
CK
CK
D7 INV
D6-0 INV
6-BIT ENCODER/LATCH
8-BIT ENCODER
LATCH/OUTPUT BUFFER
D7
D6
D5
D4
D3
D2
D1
D0

CXA1389P (SONY)
ECL CABLE DRIVER
- TOP VIEW -


OUT3-
OUT3+
OUT2-
OUT2+
GND
GND
GND
VEE1 (-5V)
BIAS GEN
VEE2 (-5V)
GND
GND
GND
OUT 1+
OUT1-
IN+
IN-

CX23053 (SONY)
C-MOS DIGITAL AUDIO DATA RECEIVER/DEMODULATOR
— TOP VIEW —

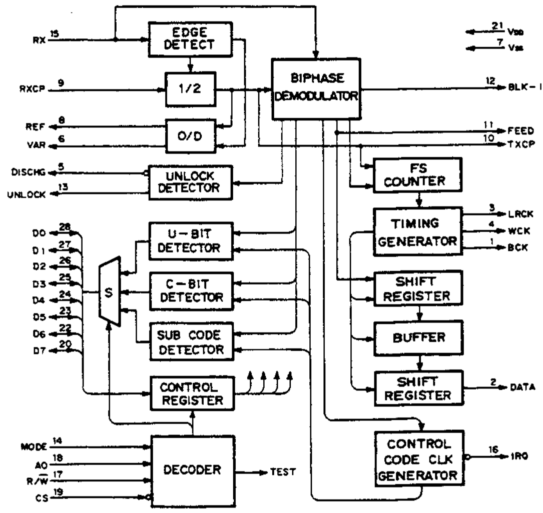

BCK OUT 1
DATA OUT 2
LRCK OUT 3
WCK OUT 4
DISCHG OUT 5
VAR OUT 6
7 GND
REF OUT 8
RXCP IN 9
TXCP OUT 10
FEED OUT 11
BLK-ID OUT 12
UNLOCK OUT 13
MODE IN 14
28 D0 IN/OUT
27 D1 IN/OUT
26 D2 IN/OUT
25 D3 IN/OUT
24 D4 IN/OUT
23 D5 IN/OUT
22 D6 IN/OUT
VDD (+5V) 21
20 D7 IN/OUT
19 CS IN
18 A0 IN
17 R/W IN
16 IRQ OUT
15 RX IN


D0
D1
D2
D3
D4
D5
D6
D7
RX
A0
RXCP
R/W
CS
DATA
FEED
LRCK
BCK
DISCHG
VAR
REF
UNLOCK
WCK
TXCP
BLK-ID
IRQ
MODE

PIN NO.	MODE	
	LOW LEVEL	HIGH LEVEL
28	ID0	D0
27	ID1	D1
26	COPY INHIBIT	D2
25	EMPHASIS	D3
24	SCOR	D4
23	SBSO	D5
22	WFCK	D6
20	EXCK	D7

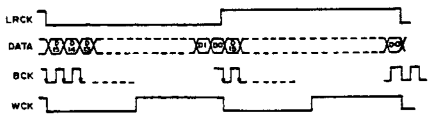
BCK;	DIGITAL DATA SHIFT CLOCK OUTPUT
DATA;	DIGITAL AUDIO DATA OUTPUT
LRCK;	$\overline{L}$/R CHANNEL STATUS OUTPUT (Fs)
WCK;	WORD CLOCK OUTPUT (2Fs)
DISCHG;	PLL LOCK TRIGGER PULSE OUTPUT
VAR;	SINK CURRENT DETERMINATION PULSE OUTPUT
REF;	SOURCE CURRENT DETERMINATION PULSE OUTPUT
RXCP;	256Fs CLOCK INPUT WHEN 2-CH MODE/ 512Fs CLOCK INPUT WHEN 4-CH MODE
TXCP;	128Fs CLOCK OUTPUT WHEN 2-CH MODE/ 256Fs CLOCK OUTPUT WHEN 4-CH MODE
FEED;	NRZ DEMODULATION DATA OUTPUT
BLK-ID;	BLOCK PULSE OUTPUT
UNLOCK;	PLL LOCK/UNLOCK OUTPUT
MODE;	MODE SELECT INPUT

RX;	DIGITAL I/O DATA INPUT
IRQ;	$\overline{\text{INTERRUPT}}$ REQUEST OUTPUT
R/$\overline{W}$;	READ/$\overline{\text{WRITE}}$ ENABLE INPUT
AO;	DISTINGUISHING SIGNAL INPUT BETWEEN C-BIT AND U-BIT
CS;	CHIP SELECT INPUT
D0-D7;	DATA INPUTS

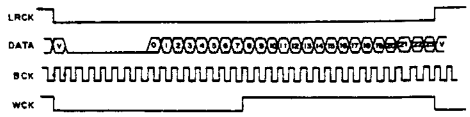

RX 15
RXCP 9
REF 8
VAR 6
DISCHG 5
UNLOCK 13
D0 28
D1 27
D2 26
D3 25
D4 24
D5 23
D6 22
D7 20
MODE 14
A0 18
R/W 17
CS 19
EDGE DETECT
1/2
O/D
UNLOCK DETECTOR
U-BIT DETECTOR
C-BIT DETECTOR
SUB CODE DETECTOR
CONTROL REGISTER
DECODER
TEST
S
BIPHASE DEMODULATOR
FS COUNTER
TIMING GENERATOR
SHIFT REGISTER
BUFFER
SHIFT REGISTER
CONTROL CODE CLK GENERATOR
21 VDD
7 VSS
12 BLK-ID
11 FEED
10 TXCP
3 LRCK
4 WCK
1 BCK
2 DATA
16 IRQ

TIMING CHART

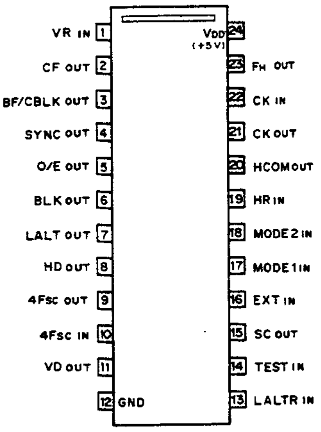
— OPERATION OF MODE 0 (MODE ="L")

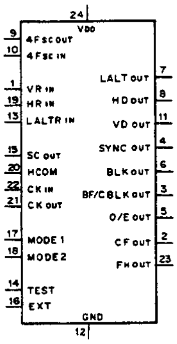

LRCK
DATA
BCK
WCK

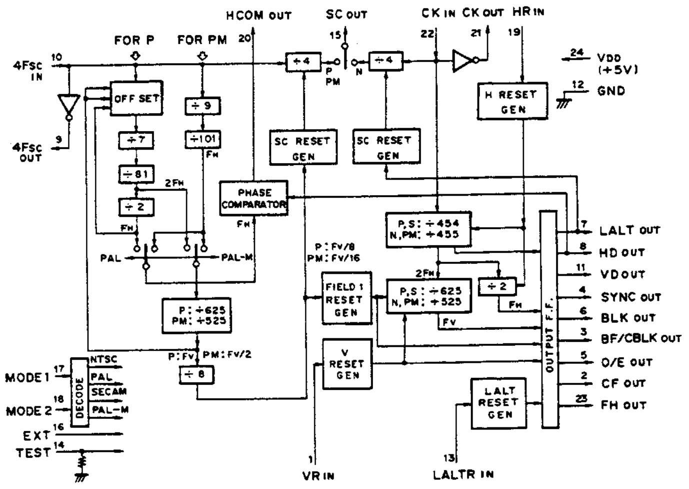
— OPERATION OF MODE 1 (MODE ="H")


LRCK
DATA
BCK
WCK

CX773A (SONY)
CX773A-1 (SONY)
CX773B (SONY)
C-MOS SYNC GENERATOR (NTSC, PAL-M, PAL, SECAM)
— TOP VIEW —


VR IN 1
CF OUT 2
BF/CBLK OUT 3
SYNC OUT 4
O/E OUT 5
BLK OUT 6
LALT OUT 7
HD OUT 8
4Fsc OUT 9
4Fsc IN 10
VD OUT 11
12 GND
VDD (+5V) 24
23 FH OUT
22 CK IN
21 CK OUT
20 HCOM OUT
19 HR IN
18 MODE 2 IN
17 MODE 1 IN
16 EXT IN
15 SC OUT
14 TEST IN
13 LALTR IN


24 VDD
9 4Fsc OUT
10 4Fsc IN
1 VR IN
19 HR IN
13 LALTR IN
15 SC OUT
20 HCOM
22 CK IN
21 CK OUT
17 MODE 1
18 MODE 2
14 TEST
16 EXT
LALT OUT 7
HD OUT 8
VD OUT 11
SYNC OUT 4
BLK OUT 6
BF/CBLK OUT 3
O/E OUT 5
CF OUT 2
FH OUT 23
GND 12


HCOM OUT
SC OUT
CK IN
CK OUT
HR IN
FOR P
FOR PM
4Fsc IN
4Fsc OUT
OFF SET
÷7
÷81
÷2
÷9
÷101
2FH
FH
PAL
PAL-M
PHASE COMPARATOR
÷4
P PM
N
SC RESET GEN
H RESET GEN
VDD (+5V)
GND
P,S: ÷454 N,PM: ÷455
P: Fv/8 PM: Fv/16
FIELD 1 RESET GEN
P,S: ÷625 N,PM: ÷525
P: ÷625 PM: ÷525
P: Fv PM: Fv/2
÷8
V RESET GEN
LALT RESET GEN
OUTPUT F.F.
MODE 1
MODE 2
EXT
TEST
DECODE
NTSC
PAL
SECAM
PAL-M
VR IN
LALTR IN
LALT OUT
HD OUT
VD OUT
SYNC OUT
BLK OUT
BF/CBLK OUT
O/E OUT
CF OUT
FH OUT

O/E : ODD/EVEN FIELD
CF : COLOR FRAME PULSE
HCOM : H COMPARATOR

SYSTEM	4Fsc	CLOCK
NTSC	910 FH	910 FH
PAL	1135 FH+2Fv	908 FH
PALM	909 FH	910 FH
SECAM	——	908 FH

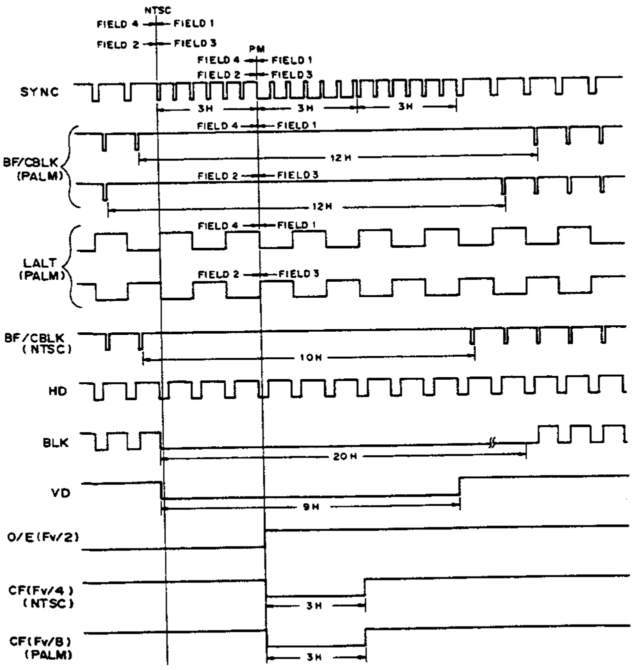
INPUTS		SYSTEM
MODE 1	MODE 2	
0	0	NTSC
0	1	SECAM
1	0	PALM
1	1	PAL

0 ; LOW LEVEL (GND)
1 ; HIGH LEVEL (VDD)

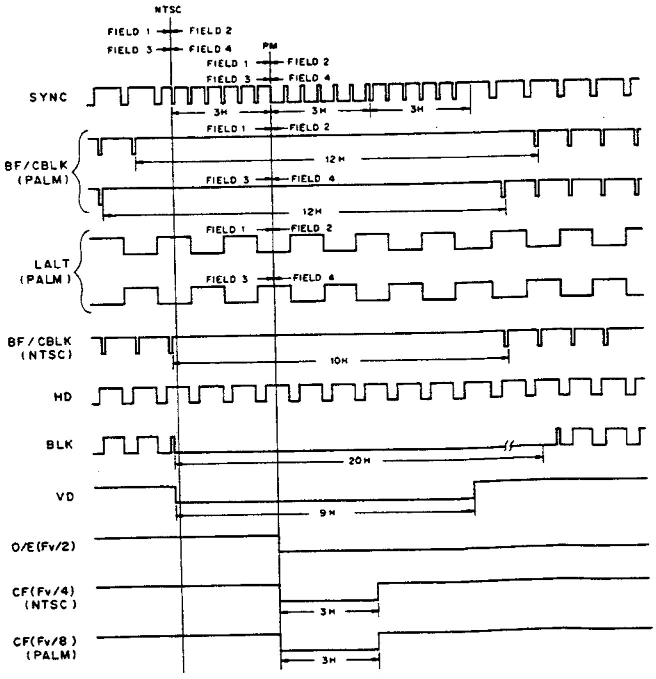
INPUTS		FUNCTION
EXT	TEST	
0	0	INTERNAL
0	1	INVALID
1	0	EXT
1	1	TEST

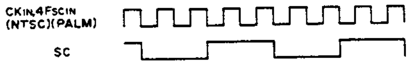
TEST "0" : OPEN (INTERNALLY PULLED DOWN)

NTSC, PAL-M (FIELD 1,3)

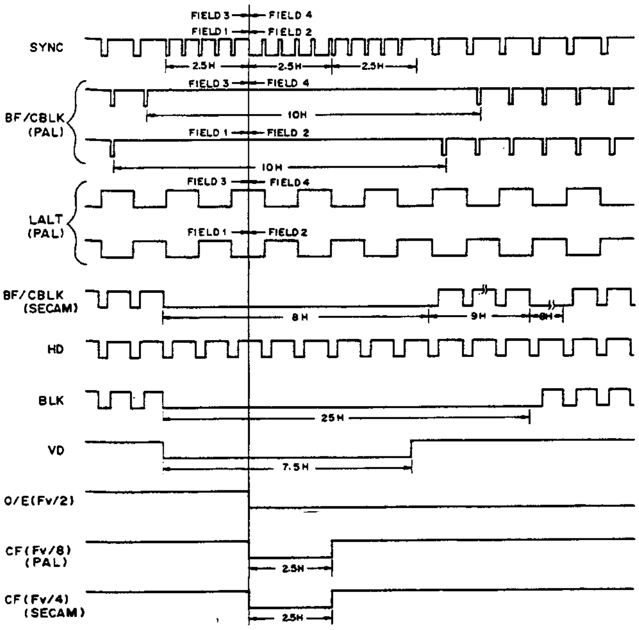


NTSC, PAL-M (FIELD 2,4)

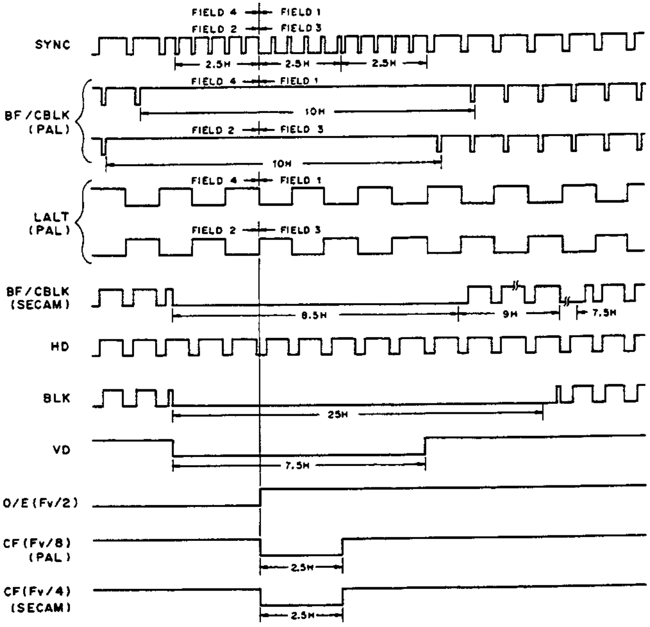


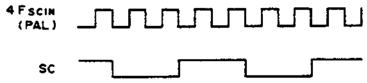


PAL, SECAM (FIELD 4, 2)

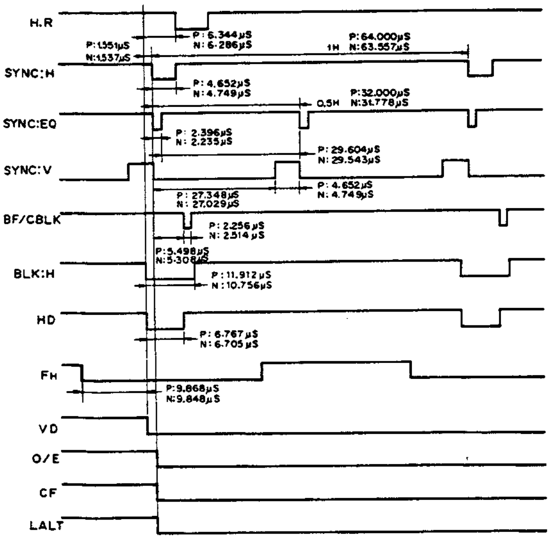

FIELD 3 → ← FIELD 4
FIELD 1 → ← FIELD 2
SYNC
2.5H
2.5H
2.5H
FIELD 3 → ← FIELD 4
BF/CBLK (PAL)
10H
FIELD 1 → ← FIELD 2
10H
FIELD 3 → ← FIELD 4
LALT (PAL)
FIELD 1 → ← FIELD 2
BF/CBLK (SECAM)
8H
9H
8H
HD
BLK
25H
VD
7.5H
O/E(Fv/2)
CF(Fv/8) (PAL)
2.5H
CF(Fv/4) (SECAM)
2.5H

PAL, SECAM (FIELD 1, 3)

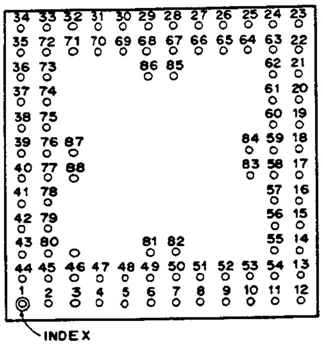

FIELD 4 → ← FIELD 1
FIELD 2 → ← FIELD 3
SYNC
2.5H
2.5H
2.5H
FIELD 4 → ← FIELD 1
BF/CBLK (PAL)
10H
FIELD 2 → ← FIELD 3
10H
FIELD 4 → ← FIELD 1
LALT (PAL)
FIELD 2 → ← FIELD 3
BF/CBLK (SECAM)
8.5H
9H
7.5H
HD
BLK
25H
VD
7.5H
O/E(Fv/2)
CF(Fv/8) (PAL)
2.5H
CF(Fv/4) (SECAM)
2.5H

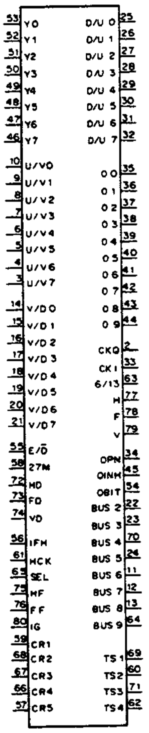

4FSCIN (PAL)
SC

P: PAL, SECAM
N: NTSC, PALM


H.R
P: 6.344μS
N: 6.286μS
P: 1.551μS
N: 1.537μS
1H
P: 64.000μS
N: 63.557μS
SYNC:H
P: 4.652μS
N: 4.749μS
0.5H
P: 32.000μS
N: 31.778μS
SYNC:EQ
P: 2.396μS
N: 2.235μS
P: 29.604μS
N: 29.543μS
SYNC:V
P: 4.652μS
N: 4.749μS
P: 27.348μS
N: 27.029μS
BF/CBLK
P: 2.256μS
N: 2.514μS
P: 5.498μS
N: 5.308μS
BLK:H
P: 11.912μS
N: 10.756μS
HD
P: 6.767μS
N: 6.705μS
FH
P: 9.868μS
N: 9.848μS
VD
O/E
CF
LALT

CXB1001G (SONY)
4:2:2 PARALLEL INTERFACE FOR 525/625-LINE DIGITAL VIDEO SIGNALS
— TOP VIEW —

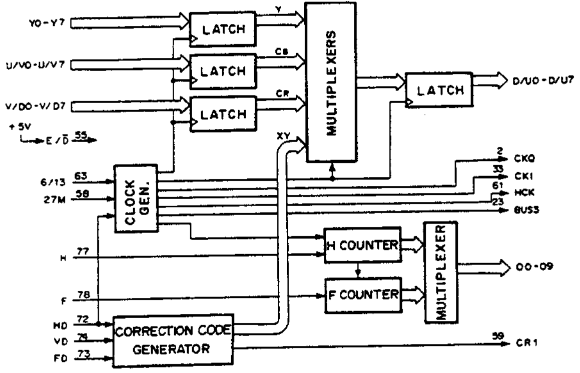

34 33 32 31 30 29 28 27 26 25 24 23
35 72 71 70 69 68 67 66 65 64 63 22
36 73 86 85 62 21
37 74 61 20
38 75 60 19
39 76 87 84 59 18
40 77 88 83 58 17
41 78 57 16
42 79 56 15
43 80 81 82 55 14
44 45 46 47 48 49 50 51 52 53 54 13
1 2 3 4 5 6 7 8 9 10 11 12
INDEX


53 Y0
52 Y1
51 Y2
50 Y3
49 Y4
48 Y5
47 Y6
46 Y7
10 U/V0
9 U/V1
8 U/V2
7 U/V3
6 U/V4
5 U/V5
4 U/V6
3 U/V7
14 V/D0
15 V/D1
16 V/D2
17 V/D3
18 V/D4
19 V/D5
20 V/D6
21 V/D7
55 E/D̄
58 27M
72 HD
73 FD
74 VD
56 IFH
61 HCK
65 SEL
75 HF
76 FF
80 IG
59 CR1
68 CR2
67 CR3
66 CR4
57 CR5
D/U 0 25
D/U 1 26
D/U 2 27
D/U 3 28
D/U 4 29
D/U 5 30
D/U 6 31
D/U 7 32
0 0 35
0 1 36
0 2 37
0 3 38
0 4 39
0 5 40
0 6 41
0 7 42
0 8 43
0 9 44
CKQ 2
CKI 33
6/13 63
H 77
F 78
V 79
OPN 34
OINH 45
OBIT 54
BUS 2 22
BUS 3 23
BUS 4 70
BUS 5 24
BUS 6 11
BUS 7 12
BUS 8 13
BUS 9 64
TS 1 69
TS2 60
TS3 71
TS4 62

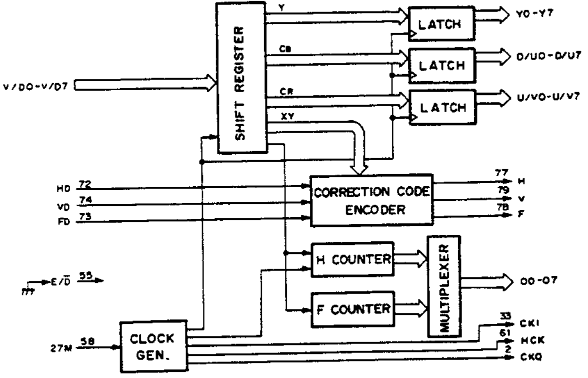
PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL
1		NC	23	O	BUS3	45	O	OINH	67	I	CR3
2	O	CKQ	24	O	BUS5	46	I/O	Y7	68	I	CR2
3	I/O	U/V7	25	O	D/U0	47	I/O	Y6	69	I	TS1
4	I/O	U/V6	26	O	D/U1	48	I/O	Y5	70	O	BUS4
5	I/O	U/V5	27	O	D/U2	49	I/O	Y4	71	I	TS3
6	I/O	U/V4	28	O	D/U3	50	I/O	Y3	72	I	HD
7	I/O	U/V3	29	O	D/U4	51	I/O	Y2	73	I	FD
8	I/O	U/V2	30	O	D/U5	52	I/O	Y1	74	I	VD
9	I/O	U/V1	31	O	D/U6	53	I/O	Y0	75	I	HF
10	I/O	U/V0	32	O	D/U7	54	O	OBIT	76	I	FF
11	O	BUS6	33	O	CKI	55	I	E/D̄	77	I/O	H
12	O	BUS7	34	O	OPN	56	I	IFH	78	I/O	F
13	O	BUS8	35	O	00	57	I	CR5	79	O	V
14	I	V/D0	36	O	01	58	I	27M	80	I	IG
15	I	V/D1	37	O	02	59	I	CR1	81		Vcc(+5V)
16	I	V/D2	38	O	03	60	I	TS2	82		Vcc(+5V)
17	I	V/D3	39	O	04	61	O	HCK	83		GND
18	I	V/D4	40	O	05	62	I	TS4	84		GND
19	I	V/D5	41	O	06	63	I/O	6/13	85		Vcc(+5V)
20	I	V/D6	42	O	07	64	O	BUS9	86		Vcc(+5V)
21	I	V/D7	43	O	08	65	I	SEL	87		GND
22	O	BUS2	44	O	09	66	I	CR4	88		GND

SYMBOL	FUNCTION	
	ENCODER MODE (E/D̄="H")	DECODER MODE (E/D̄="L")
Y0-Y7	Y SIGNAL INPUTS	Y SIGNAL OUTPUTS
U/V0-U/V7	CB SIGNAL INPUTS	CR SIGNAL OUTPUTS
V/D0-V/D7	CR SIGNAL INPUTS	MULTIPLEXER DATA INPUTS
D/U0-D/U7	MULTIPLEXER DATA OUTPUTS	CB SIGNAL OUTPUTS
00-09	EXTERNAL PROM ADDRESS OUTPUTS	
E/D̄	ENCODER/DECODER MODE SELECT INPUT	
27M	CLOCK INPUT (27MHz)	
HD	TIMING SIGNAL INPUTS (H)	
FD	(F)	
VD	(V)	
CKQ	D/U SYNCHRONOUS CLOCK OUTPUT	CR,CB SYNCHRONOUS CLOCK OUTPUT
CKI	INPUT DATA LATCH CLOCK(13.5MHz)	INPUT DATA LATCH CLOCK (27MHz)
6/13	CR,CB SYNCHRONOUS CLOCK INPUT	13.5MHz CLOCK OUTPUT
H	REFERENCE H INPUT	DECODE H OUTPUT
F	REFERENCE F INPUT	DECODE F OUTPUT
V	DECODE V OUTPUT	DECODE V OUTPUT
IFH	CONNECT WITH "+5V"	
HCK	6.75MHz H COUNTER CLOCK OUTPUT	
SEL	CONNECT WITH "+5V"	
HF		
FF		
IG		
CR1-CR5		
TS1-TS4		
OPN	FOR TEST	
OINH		
OBIT		
BUS2-BUS9		

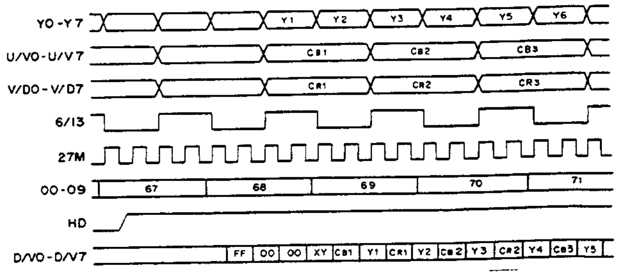
BLOCK DIAGRAMS
A. ENCODER MODE


Y0-Y7
U/V0-U/V7
V/D0-V/D7
+5V
E/D̄ 55
LATCH
LATCH
LATCH
Y
CB
CR
XY
MULTIPLEXERS
LATCH
D/U0-D/U7
6/13 63
27M 58
CLOCK GEN.
2 CKQ
33 CKI
61 HCK
23 BUS3
H 77
F 78
H COUNTER
F COUNTER
MULTIPLEXER
00-09
HD 72
VD 74
FD 73
CORRECTION CODE GENERATOR
59 CR1

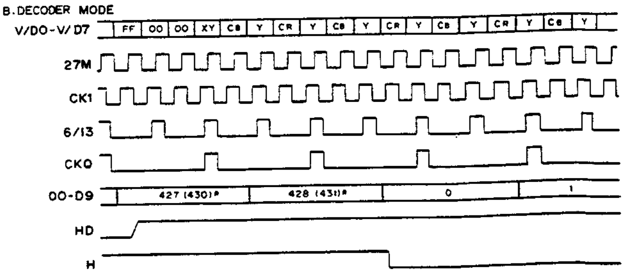
B. DECODER MODE


SHIFT REGISTER
Y
CB
CR
XY
V/D0-V/D7
LATCH
LATCH
LATCH
Y0-Y7
D/U0-D/U7
U/V0-U/V7
HD 72
VD 74
FD 73
CORRECTION CODE ENCODER
77 H
79 V
78 F
E/D̄ 55
H COUNTER
F COUNTER
MULTIPLEXER
00-07
27M 58
CLOCK GEN.
33 CKI
61 HCK
2 CKQ

TIMING CHART
A. ENCODER MODE

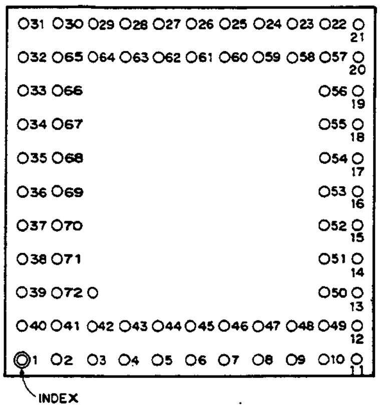

Y0-Y7
Y1 Y2 Y3 Y4 Y5 Y6
U/V0-U/V7
CB1 CB2 CB3
V/D0-V/D7
CR1 CR2 CR3
6/13
27M
00-09
67 68 69 70 71
HD
D/V0-D/V7
FF 00 00 XY CB1 Y1 CR1 Y2 CB2 Y3 CR2 Y4 CB3 Y5

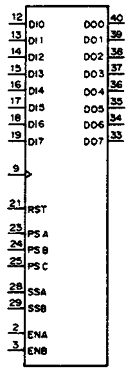
B. DECODER MODE


V/D0-V/D7
FF 00 00 XY CB Y CR Y CB Y CR Y CB Y CR Y CB Y
27M
CK1
6/13
CKQ
00-09
427 (430)* 428 (431)* 0 1
HD
H

*; 625-LINE SYSTEM

CXD1037G (SONY)
C-MOS REED-SOLOMON DECODER
— TOP VIEW —


31 30 29 28 27 26 25 24 23 22 21
32 65 64 63 62 61 60 59 58 57 20
33 66 56 19
34 67 55 18
35 68 54 17
36 69 53 16
37 70 52 15
38 71 51 14
39 72 50 13
40 41 42 43 44 45 46 47 48 49 12
1 2 3 4 5 6 7 8 9 10 11
INDEX


12 DI0
13 DI1
14 DI2
15 DI3
16 DI4
17 DI5
18 DI6
19 DI7
9
21 RST
23 PSA
24 PSB
25 PSC
28 SSA
29 SSB
2 ENA
3 ENB
DO0 40
DO1 39
DO2 38
DO3 37
DO4 36
DO5 35
DO6 34
DO7 33

PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL
1			NC	19	○		DI7	37		○	DO3	55			NC
2	○		ENA	20			NC	38		○	DO2	56			NC
3	○		ENB	21	○		RST	39		○	DO1	57			VDD(+5V)
4			NC	22			NC	40		○	DO0	58			GND
5			NC	23	○		PSA	41			VDD(+5V)	59			NC
6			NC	24	○		PSB	42			GND	60			NC
7			NC	25	○		PSC	43			NC	61			NC
8			NC	26			NC	44			NC	62			NC
9	○		CK	27			NC	45			NC	63			NC
10			NC	28	○		SSA	46			NC	64			GND
11			NC	29	○		SSB	47			NC	65			VDD(+5V)
12	○		DI0	30			NC	48			GND	66			NC
13	○		DI1	31			NC	49			VDD(+5V)	67			NC
14	○		DI2	32			NC	50			NC	68			NC
15	○		DI3	33		○	DO7	51			NC	69			NC
16	○		DI4	34		○	DO6	52			NC	70			NC
17	○		DI5	35		○	DO5	53			NC	71			NC
18	○		DI6	36		○	DO4	54			NC	72			NC

DI0-DI7;DATA INPUTS
DO0-DO7;DATA/PARITY OUTPUTS
RST;RESET INPUT
PSA,PSB,PSC;PARITY WORD SELECT INPUTS
SSA,SSB;INTERLEAVE SELECT INPUTS
ENA;DATA ENABLE INPUT
ENB;DATA/$\overline{\text{PARITY}}$ OUTPUT SELECT INPUT

PARITY SELECT

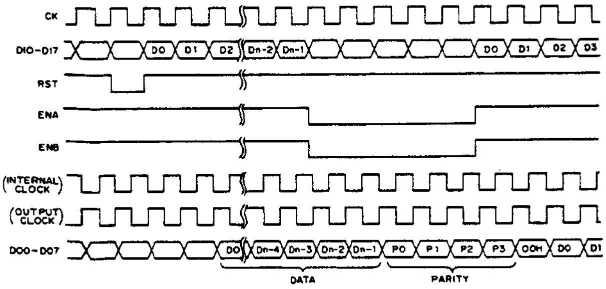
PSA	PSB	PSC	PARITY WORD
0	0	0	2 WORDS
0	0	1	3 WORDS
0	1	0	4 WORDS
0	1	1	6 WORDS
1	X	X	8 WORDS

INTERLEAVE SELECT

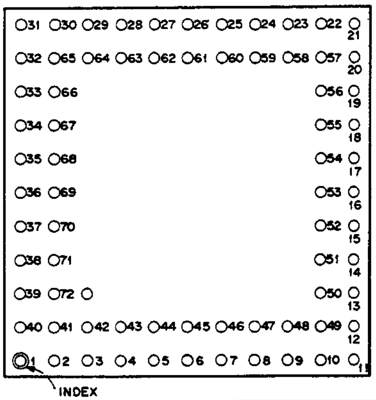
SSA	SSB	INTERLEAVE
0	0	1 WORD
0	1	2 WORDS
1	0	3 WORDS
1	1	4 WORDS

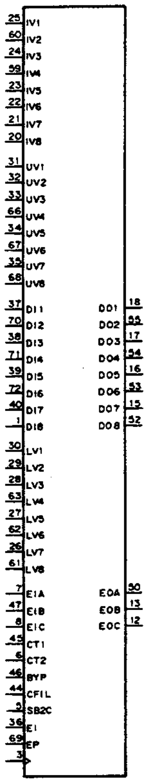
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

TIMING CHART (PARITY WORD = 4WORDS, INTERLEAVE = 1WORD)


CK
DI0-DI7
D0
D1
D2
Dn-2
Dn-1
D0
D1
D2
D3
RST
ENA
ENB
(INTERNAL CLOCK)
(OUTPUT CLOCK)
DO0-DO7
D0
Dn-4
Dn-3
Dn-2
Dn-1
P0
P1
P2
P3
D0H
D0
D1
DATA
PARITY

CXD1039G (SONY)
C-MOS ERROR CONCEALMENT FOR DIGITAL VTR
— TOP VIEW —


31 30 29 28 27 26 25 24 23 22 21
32 65 64 63 62 61 60 59 58 57 20
33 66 56 19
34 67 55 18
35 68 54 17
36 69 53 16
37 70 52 15
38 71 51 14
39 72 50 13
40 41 42 43 44 45 46 47 48 49 12
1 2 3 4 5 6 7 8 9 10 11
INDEX


25 IV1
60 IV2
24 IV3
59 IV4
23 IV5
22 IV6
21 IV7
20 IV8
31 UV1
32 UV2
33 UV3
66 UV4
34 UV5
67 UV6
35 UV7
68 UV8
37 DI1
70 DI2
38 DI3
71 DI4
39 DI5
72 DI6
40 DI7
1 DI8
30 LV1
29 LV2
28 LV3
63 LV4
27 LV5
62 LV6
26 LV7
61 LV8
7 EIA
47 EIB
8 EIC
45 CT1
6 CT2
46 BYP
44 CFIL
5 SB2C
36 EI
69 EP
3
DO1 18
DO2 55
DO3 17
DO4 54
DO5 16
DO6 53
DO7 15
DO8 52
EOA 50
EOB 13
EOC 12

PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL
1	I	DI8	19		NC	37	I	DI1	55	O	DO2
2		NC	20	I	IV8	38	I	DI3	56		NC
3	I	CK	21	I	IV7	39	I	DI5	57		VDD(+5V)
4		NC	22	I	IV6	40	I	DI7	58		GND
5	I	SB2C	23	I	IV5	41		VDD(+5V)	59	I	IV4
6	I	CT2	24	I	IV3	42		GND	60	I	IV2
7	I	EIA	25	I	IV1	43		NC	61	I	LV8
8	I	EIC	26	I	LV7	44	I	CFIL	62	I	LV6
9		NC	27	I	LV5	45	I	CT1	63	I	LV4
10		NC	28	I	LV3	46	I	BYP	64		GND
11		NC	29	I	LV2	47	I	EIB	65		VDD(+5V)
12	O	EOC	30	I	LV1	48		GND	66	I	UV4
13	O	EOB	31	I	UV1	49		VDD(+5V)	67	I	UV6
14		NC	32	I	UV2	50	O	EOA	68	I	UV8
15	O	DO7	33	I	UV3	51		NC	69	I	EP
16	O	DO5	34	I	UV5	52	O	DO8	70	I	DI2
17	O	DO3	35	I	UV7	53	O	DO6	71	I	DI4
18	O	DO1	36	I	EI	54	O	DO4	72	I	DI6

DI1-DI8;	VIDEO INPUTS
IV1-IV8;	PREVIOUS 1H VIDEO INPUT FOR DATA REPLACEMENT
UV1-UV8;	PREVIOUS 1H VIDEO INPUT FOR 2-DIMENSIONAL CONCEALMENT
LV1-LV8;	NEXT 1H VIDEO INPUT FOR 2-DIMENSIONAL CONCEALMENT
DO1-DO8;	VIDEO OUTPUTS

EIA-EIC;	CONCEALMENT MODE INPUTS
EOA-EOC;	CONCEALMENT MODE OUTPUTS
CT1:	ED MODE INHIBIT INPUT
CT2:	EH MODE INHIBIT INPUT
BYP:	$\overline{\text{AUTO}}$/MANUAL CONTROL INPUT
CFIL:	CHROMA PHASE INVERSION INPUT
SB2C:	INPUT/OUTPUT CODE SELECT INPUT
EI;	DI ERROR FLAG INPUT
EP;	UV/LV ERROR FLAG INPUT

INPUT/OUTPUT CODE SELECT

SB2C	CODE
0	STRAIGHT BINARY
1	2's COMPLIMENT BINARY

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

CONCEALMENT MODE SELECT

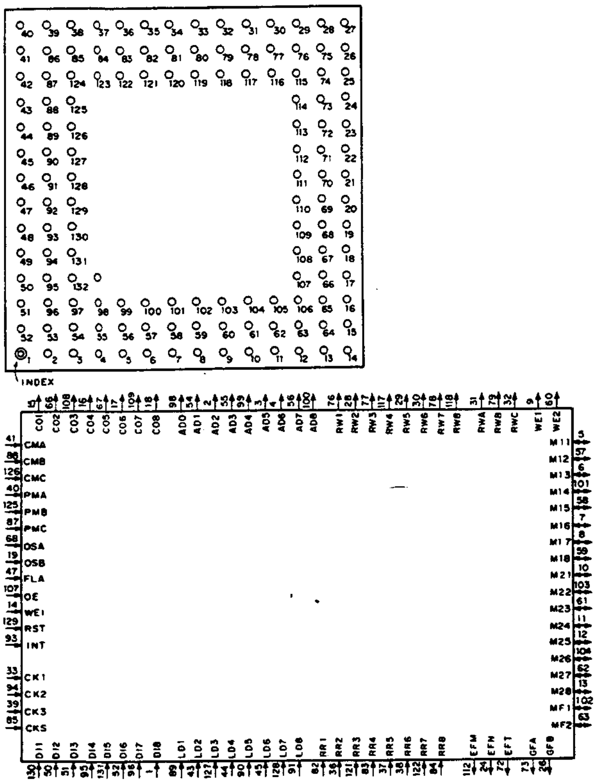
BYP	EIC	EIB	EIA	MODE
0	X	X	X	AUTO SELECT
1	0	0	0	BYPASS
1	0	0	1	E2
1	0	1	0	E3
1	0	1	1	E4
1	1	0	0	ED
1	1	0	1	EH
1	1	1	0	EV
1	1	1	1	INHIBIT

MODE	EOC	EOB	EOA
NO ERROR	1	1	1
E2	1	1	0
E3	1	0	1
E4	1	0	0
EH	0	1	1
EV	0	1	0
ED	0	0	1

CONCEALMENT MODE:

E2 MODE;	1-DIMENSIONAL CONCEALMENT USING SAMPLE BEFORE AND SAMPLE AFTER DROPOUT LOCATION (2-SAMPLE DATA)
E3 MODE;	1-DIMENSIONAL CONCEALMENT USING SAMPLE BEFORE AND SAMPLE AFTER DROPOUT LOCATION (3-SAMPLE DATA)
E4 MODE;	1-DIMENSIONAL CONCEALMENT USING SAMPLE BEFORE AND SAMPLE AFTER DROPOUT LOCATION (4-SAMPLE DATA)
ED MODE;	2-DIMENSIONAL CONCEALMENT USING SURROUNDING SAMPLE DATA OF DROPOUT LOCATION (DI, UV AND LV)
EH MODE;	DATA REPLACEMENT BY 4-SAMPLE BEFORE DROPOUT
EV MODE;	DATA REPLACEMENT BY IV

CXD1038G (SONY)
C-MOS ERROR CORRECTOR
— TOP VIEW —


INDEX
CO1
CO2
CO3
CO4
CO5
CO6
CO7
CO8
AD0
AD1
AD2
AD3
AD4
AD5
AD6
AD7
AD8
RW1
RW2
RW3
RW4
RW5
RW6
RW7
RW8
RWA
RWB
RWC
WE1
WE2
CMA
CMB
CMC
PMA
PMB
PMC
OSA
OSB
FLA
OE
WEI
RST
INT
CK1
CK2
CK3
CKS
M11
M12
M13
M14
M15
M16
M17
M18
M21
M22
M23
M24
M25
M26
M27
M28
MF1
MF2
DI1
DI2
DI3
DI4
DI5
DI6
DI7
DI8
LD1
LD2
LD3
LD4
LD5
LD6
LD7
LD8
RR1
RR2
RR3
RR4
RR5
RR6
RR7
RR8
EFM
EFN
EFT
GFA
GFB

CORRECTION MODE

	CMA	CMB	CMC
DETECTION	0	0	0
1W COR	0	0	1
2W COR	0	1	0
3W COR	0	1	1
ERASURE & DETECTION	1	0	0
ERASURE & 1W COR	1	0	1

OUTPUT SELECT

OUTPUT MODE	OSA	OSB
CORRECTIONED DATA	0	0
ERROR PATTERN	1	0
DATA THROUGH	0	1
ALL ZERO	1	1

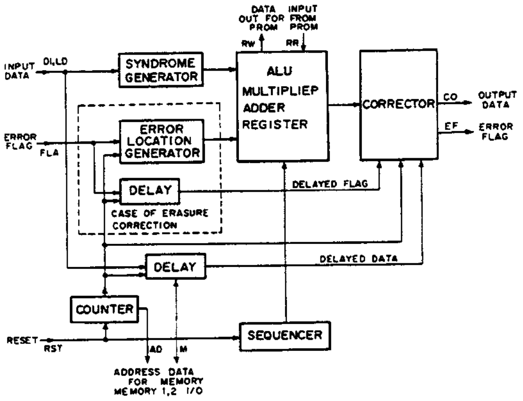
0 ; LOW LEVEL
1 ; HIGH LEVEL

PARITY MODE

NUMBER OF PARITY	PMA	PMB	PMC
2 WORDS	0	0	0
3 WORDS	0	0	1
4 WORDS	0	1	0
6 WORDS	0	1	1
8 WORDS	1	0	0

GRAY DETECTION OUT

	GFA	GFB
DETECTION	0	0
1W COR	0	1
2W COR	1	0
3W COR	1	1


DATA OUT FOR PROM
INPUT FROM PROM
RW
RR
INPUT DATA
DI,LD
SYNDROME GENERATOR
ALU
MULTIPLIEP
ADDER
REGISTER
CORRECTOR
CO
OUTPUT DATA
EF
ERROR FLAG
ERROR FLAG
FLA
ERROR LOCATION GENERATOR
DELAY
DELAYED FLAG
CASE OF ERASURE CORRECTION
DELAY
DELAYED DATA
COUNTER
RESET
RST
SEQUENCER
AD
M
ADDRESS FOR MEMORY 1,2
DATA MEMORY I/O

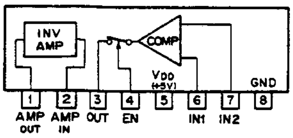
PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL
1	I	DI8	23		NC	45	I	LD6	67	O	CO5	89	I	LD1	111		NC
2	O	AD2	24	O	EFN	46		NC	68	I	OSA	90	I	LD5	112	O	EFM
3	O	AD5	25		NC	47	I	FLA	69		NC	91	I	LD8	113		NC
4	O	AD6	26	O	GFB	48		NC	70		NC	92		NC	114		VDD(+5V)
5	I/O	M11	27		NC	49		NC	71		NC	93	I	INT	115		GND
6	I/O	M13	28	O	RW2	50	I	DI2	72	O	EFT	94	I	CK2	116		NC
7	I/O	M16	29	O	RW5	51	I	DI3	73	O	GFA	95	I	DI4	117	O	RW4
8	I/O	M17	30	O	RW6	52	I	DI6	74		NC	96	I	DI7	118	O	RW8
9	O	WE1	31	O	RWA	53		GND	75		GND	97		GND	119		NC
10	I/O	M21	32	O	RWC	54	O	AD1	76	O	RW1	98	O	AD0	120		NC
11	I/O	M24	33	I	CK1	55	O	AD3	77	O	RW3	99	O	AD4	121	I	RR3
12	I/O	M25	34		NC	56	O	AD7	78	O	RW7	100	O	AD8	122	I	RR7
13	I/O	M28	35		NC	57	I/O	M12	79	O	RW8	101	I/O	M14	123		GND
14	I	WEI	36	I	RR2	58	I/O	M15	80		NC	102	I/O	MF1	124		GND
15	O	CO1	37	I	RR5	59	I/O	M18	81		NC	103	I/O	M22	125	I	PMB
16	O	CO4	38	I	RR6	60	O	WE2	82	I	RR1	104	I/O	M26	126	I	CMC
17	O	CO6	39	I	CK3	61	I/O	M23	83	I	RR4	105		GND	127	I	LD3
18	O	CO8	40	I	PMA	62	I/O	M27	84	I	RR8	106		GND	128	I	LD7
19	I	OSB	41	I	CMA	63	I/O	MF2	85	I	CKS	107	I	OE	129	I	RST
20		NC	42		NC	64		VDD(+5V)	86		VDD(+5V)	108	O	CO3	130	I	DI1
21		NC	43	I	LD2	65		NC	87	I	PMC	109	O	CO7	131	I	DI5
22		NC	44	I	LD4	66	O	CO2	88	I	CMB	110		NC	132		VDD(+5V)

AD0～AD8 ;ADDRESS FOR MEMORY
CK1 ;CLOCK
CK2 ;CLOCK FOR MEMORY I/O
CK3 ;CLOCK FOR PROM READ
CKS ;CLOCK SELECT
CMA,CMB,CMC ;CORRECTION MODE
CO1～CO8 ;CORRECTION OUTPUT
DI1～DI8 ;INPUT DATA
EFM ;ERROR FLAG(MATRIXED)
EFN ;ERROR FLAG
EFT ;ERROR FLAG(THROUGH)
FLA ;ERROR FLAG INPUT
GFA, GFB ;GRAY FLAG A , B
INT ;INITIAL RESET FOR TEST
LD1～LD8 ;CODE LENGTH
M11～M18 ;DATA MEMORY1 I/O
M21～M28 ;DATA MEMORY2 I/O
MF1, MF2 ;FLAG MEMORY 1,2 I/O
OE ;OUTPUT ENABLE FOR MEMORY I/O
OSA, OSB ;OUTPUT SELECT
PMA, PMB, PMC ;PARITY MODE
RR1～RR8 ;INPUT FROM PROM
RST ;RESET
RW1～RW8 ;DATA OUT FOR PROM (PROM ADDRESS)
RWA, RWB, RWC ;PROM MODE(PROM ADDRESS)
WE1, WE2 ;WRITE ENABLE FOR MEMORY 1,2
WEI ;WRITE ENABLE INPUT

CX23065 (SONY)

N-MOS PHASE COMPARATOR WITH INVERSION AMPLIFIER

— PRINTED SIDE VIEW —

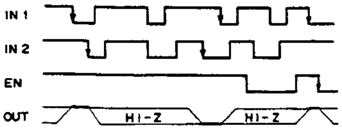

INV AMP
COMP
VDD (+5V)
GND
1
2
3
4
5
6
7
8
AMP OUT
AMP IN
OUT
EN
IN1
IN2

EN	OUT
1	ACTIVE
0	HIGH IMPEDANCE

1 ; HIGH LEVEL

0; LOW LEVEL

TIMMING CHART

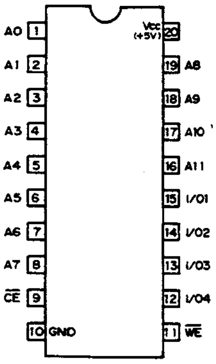


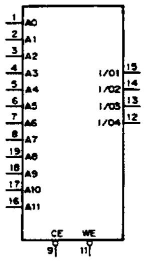
HI-Z ; HI-IMPEDANCE

CXK5416P-55L (SONY) (ACCESS TIME = 55nS)

C-MOS 4096 WORDx4 BIT STATIC RAM WITH 3 STATE OUTPUTS

— TOP VIEW —


A0 1
A1 2
A2 3
A3 4
A4 5
A5 6
A6 7
A7 8
CE 9
10 GND
Vcc (+5V) 20
19 A8
18 A9
17 A10
16 A11
15 I/O1
14 I/O2
13 I/O3
12 I/O4
11 WE


A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
I/O1
I/O2
I/O3
I/O4
CE
WE

A0~A11; ADDRESS INPUT

I/O1~I/O4; DATA INPUT/OUTPUT

$\overline{\text{CE}}$; CHIP ENABLE INPUT

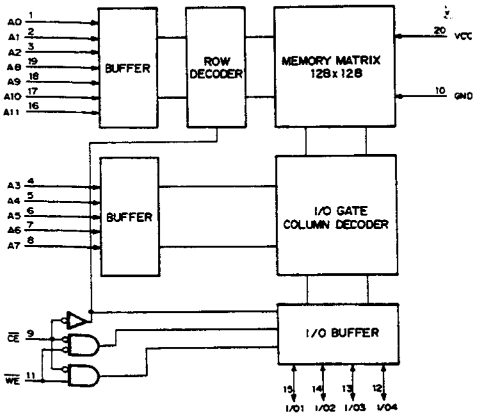
$\overline{\text{WE}}$; WRITE ENABLE INPUT

$\overline{\text{CE}}$	$\overline{\text{WE}}$	MODE	I/O TERMINAL
1	X	DISABLE	HIGH IMPEDANCE
0	1	READ	DATA OUT
0	0	WRITE	DATA IN

0;LOW LEVEL

1;HIGH LEVEL

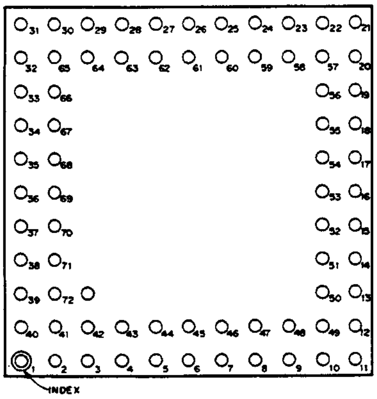
X;DON'T CARE

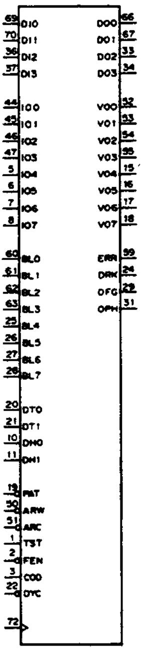

A0
A1
A2
A8
A9
A10
A11
BUFFER
ROW DECODER
MEMORY MATRIX 128x128
VCC
GND
A3
A4
A5
A6
A7
BUFFER
I/O GATE COLUMN DECODER
I/O BUFFER
CE
WE
I/O1
I/O2
I/O3
I/O4

CXD1040G (SONY)

C-MOS VIDEO SIGNAL ERROR DETECTOR

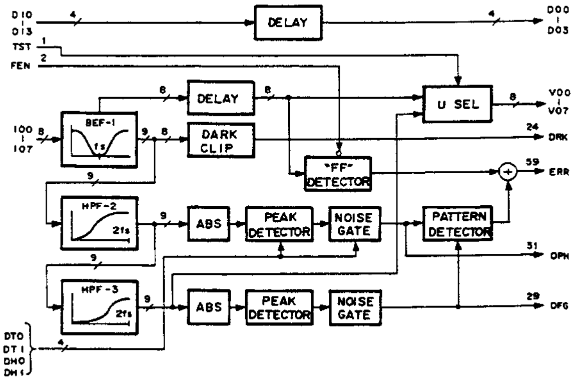
— TOP VIEW —



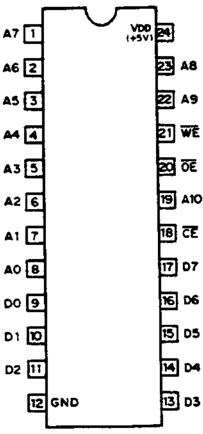

DI0
DI1
DI2
DI3
I00
I01
I02
I03
I04
I05
I06
I07
BL0
BL1
BL2
BL3
BL4
BL5
BL6
BL7
DT0
DT1
DH0
DH1
PAT
ARW
ARC
TST
FEN
COD
DYC
DO0
DO1
DO2
DO3
VO0
VO1
VO2
VO3
VO4
VO5
VO6
VO7
ERR
DRK
OFG
OPH

PIN NO	I/O	SYMBOL	PIN NO	I/O	SYMBOL	PIN NO	I/O	SYMBOL	PIN NO	I/O	SYMBOL
1	I	TST	19	I	PAT	37	I	DI3	55	O	VO3
2	I	FEN	20	I	DT0	38		NC	56		NC
3	I	COD	21	I	DT1	39		NC	57		VDD(+5V)
4		NC	22	I	DYC	40		NC	58		GND
5	I	I04	23		NC	41		VDD(+5V)	59	O	ERR
6	I	I05	24	O	DRK	42		GND	60	I	BL0
7	I	I06	25	I	BL4	43		NC	61	I	BL1
8	I	I07	26	I	BL5	44	I	I00	62	I	BL2
9		NC	27	I	BL6	45	I	I01	63	I	BL3
10	I	DH0	28	I	BL7	46	I	I02	64		GND
11	I	DH1	29	O	OFG	47	I	I03	65		VDD(+5V)
12		NC	30		NC	48		GND	66	O	DO0
13		NC	31	O	OPH	49		VDD(+5V)	67	O	DO1
14		NC	32		NC	50	I	ARW	68		NC
15	O	VO4	33	O	DO2	51	I	ARC	69	I	DI0
16	O	VO5	34	O	DO3	52	O	VO0	70	I	DI1
17	O	VO6	35		NC	53	O	VO1	71		NC
18	O	VO7	36	I	DI2	54	O	VO2	72	I	CK

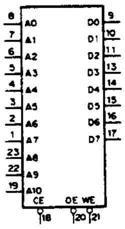
I00-I07; VIDEO DATA INPUTS
DI0-DI3; ERROR DATA INPUTS
BL0-BL7; DARK CLIP LEVEL SETTING INPUTS
DT0, DT1; ERROR PHASE THRESHOLD LEVEL INPUTS
DH0, DH1; ERROR PHASE LEVEL INPUTS
PAT; ERROR PATTERN CONTROL INPUT
ARW; FLAG EXPAND CONTROL INPUT
ARC; FLAG AREA CONTROL INPUT
CK; DATA CLOCK INPUT
TST; TEST/$\overline{\text{NORMAL}}$ MODE SELECT INPUT
FEN; VIDEO DATA "FF" DETECT INPUT
COD; 2'S COMPLEMENT/$\overline{\text{STRAIGHT}}$ BINARY SELECT INPUT
DYC; DYNAMIC CONTROL $\overline{\text{ON}}$/OFF CONTROL INPUT
VO0-VO7; DELAYED VIDEO DATA OR TEST MODE DATA OUTPUT
DO0-DO3; DELAYED DATA OUTPUT
ERR; ERROR PULSE OUTPUT
DRK; DARK CLIP ERROR PULSE OUTPUT
OFG; ERROR FLAG PULSE OR TEST MODE DATA OUTPUT
OPH; ERROR PHASE PULSE OUTPUT


DI0 I DI3
TST
FEN
DELAY
DO0 I DO3
DELAY
U SEL
VO0 I VO7
I00 I I07
BEF-1
fs
DARK CLIP
DRK
"FF" DETECTOR
ERR
HPF-2
2fs
ABS
PEAK DETECTOR
NOISE GATE
PATTERN DETECTOR
OPH
HPF-3
2fs
ABS
PEAK DETECTOR
NOISE GATE
OFG
DT0
DT1
DH0
DH1

CXK5814P-35 (SONY) (ACCESS TIME = 35nS)
CXK5814P-35L (SONY) (ACCESS TIME = 35nS)
CXK5814P-45 (SONY) (ACCESS TIME = 45nS)
CXK5814P-45L (SONY) (ACCESS TIME = 45nS)
CXK5814P-55 (SONY) (ACCESS TIME = 55nS)
CXK5814P-55L (SONY) (ACCESS TIME = 55nS)
C-MOS 16K(2Kx8) STATIC RAM
— TOP VIEW —

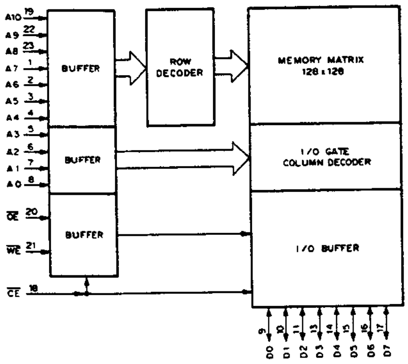


A7 1
A6 2
A5 3
A4 4
A3 5
A2 6
A1 7
A0 8
D0 9
D1 10
D2 11
12 GND
VDD (+5V) 24
23 A8
22 A9
21 WE
20 OE
19 A10
18 CE
17 D7
16 D6
15 D5
14 D4
13 D3



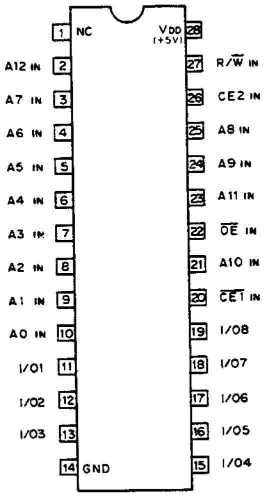
8 A0
7 A1
6 A2
5 A3
4 A4
3 A5
2 A6
1 A7
23 A8
22 A9
19 A10
D0 9
D1 10
D2 11
D3 13
D4 14
D5 15
D6 16
D7 17
CE 18
OE 20
WE 21

A0 ~ A10 ; ADDRESS INPUTS
D0 ~ D7 ; DATA INPUTS/OUTPUTS
CE ; CHIP ENABLE INPUT
OE ; OUTPUT ENABLE INPUT
WE ; WRITE ENABLE INPUT

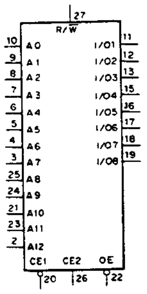


A10 19
A9 22
A8 23
A7 1
A6 2
A5 3
A4 4
A3 5
A2 6
A1 7
A0 8
OE 20
WE 21
CE 18
BUFFER
ROW DECODER
MEMORY MATRIX 128 x 128
BUFFER
I/O GATE COLUMN DECODER
BUFFER
I/O BUFFER
9 D0
10 D1
11 D2
13 D3
14 D4
15 D5
16 D6
17 D7

CXK5864PN-15 (SONY) (ACCESS TIME = 150 nS)
CXK5864PN-15L (SONY) (ACCESS TIME = 150 nS)
HM6264LFP-15 (HITACHI) (ACCESS TIME = 150 nS) FLAT PACKAGE
HM6264LFP-15T (HITACHI) (ACCESS TIME = 150 nS) FLAT PACKAGE
HM6264LP-12 (HITACHI) (ACCESS TIME = 120 nS)
HM6264LP-15 (HITACHI) (ACCESS TIME = 150 nS)
HM6264P-12 (HITACHI) (ACCESS TIME = 120 nS)
HM6264P-15 (HITACHI) (ACCESS TIME = 150 nS)
TC5565P-15 (TOSHIBA) (ACCESS TIME = 150 nS)
TC5565PL-12 (TOSHIBA) (ACCESS TIME = 120 nS)
TC5565PL-15 (TOSHIBA) (ACCESS TIME = 150 nS)
uPD4364C-15 (NEC) (ACCESS TIME = 150 nS)
uPD4364C-15L (NEC) (ACCESS TIME = 150nS)
uPD4364G-15L (NEC) (ACCESS TIME = 150nS) FLAT PACKAGE
uPD4464C-15 (NEC) (ACCESS TIME = 150nS)
uPD4464C-20 (NEC) (ACCESS TIME = 200nS)
C-MOS 8192 WORDx8-BIT RAM
— TOP VIEW —



1 NC
A12 IN 2
A7 IN 3
A6 IN 4
A5 IN 5
A4 IN 6
A3 IN 7
A2 IN 8
A1 IN 9
A0 IN 10
I/O1 11
I/O2 12
I/O3 13
14 GND
VDD (+5V) 28
27 R/W IN
26 CE2 IN
25 A8 IN
24 A9 IN
23 A11 IN
22 OE IN
21 A10 IN
20 CE1 IN
19 I/O8
18 I/O7
17 I/O6
16 I/O5
15 I/O4

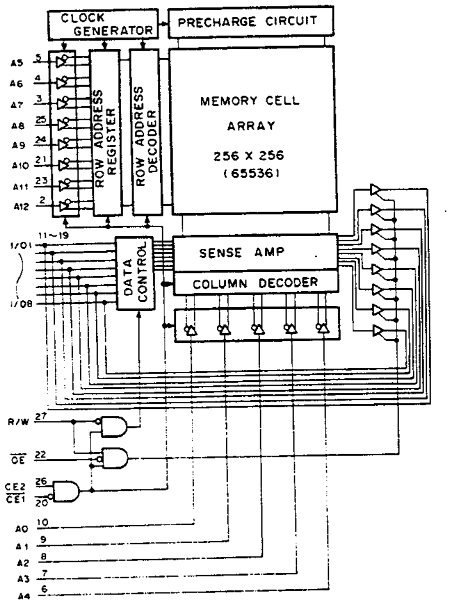


27
R/W
10 A0
9 A1
8 A2
7 A3
6 A4
5 A5
4 A6
3 A7
25 A8
24 A9
21 A10
23 A11
2 A12
I/O1 11
I/O2 12
I/O3 13
I/O4 15
I/O5 16
I/O6 17
I/O7 18
I/O8 19
CE1 20
CE2 26
OE 22

A0 – 12 ; ADDRESS INPUTS
CE1,2 ; CHIP ENABLE INPUTS
OE ; OUTPUT ENABLE INPUT
I/O1 – 8 ; DATA INPUTS/OUTPUTS
R/W ; READ/WRITE INPUT

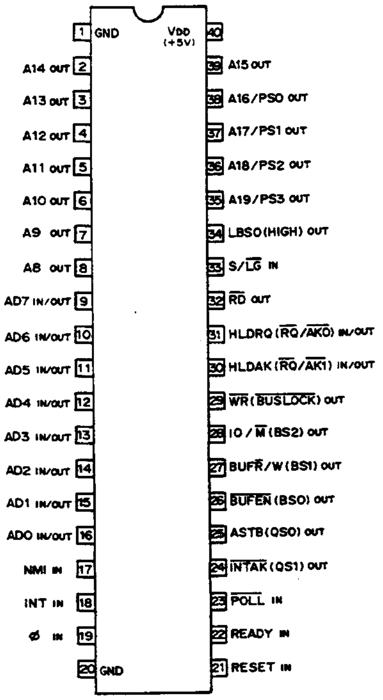
MODE	$\overline{CE1}$	CE2	$\overline{OE}$	R/$\overline{W}$	I/O1 ~ 8
READ	0	1	0	1	DATA OUTPUTS
WRITE	0	1	X	0	DATA INPUTS
OUTPUT DESELECT	0	1	1	1	HI – Z
STANDBY	1	X	X	X	HI – Z
	X	0	X	X	HI – Z

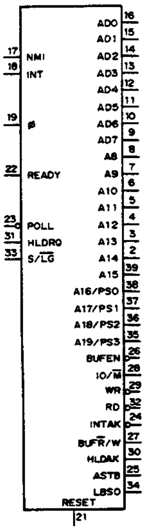
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE



CLOCK GENERATOR
PRECHARGE CIRCUIT
A5 5
A6 4
A7 3
A8 25
A9 24
A10 21
A11 23
A12 2
ROW ADDRESS REGISTER
ROW ADDRESS DECODER
MEMORY CELL ARRAY
256 X 256
(65536)
11~19
I/O1
I/O8
DATA CONTROL
SENSE AMP
COLUMN DECODER
R/W 27
OE 22
CE2 26
CE1 20
A0 10
A1 9
A2 8
A3 7
A4 6

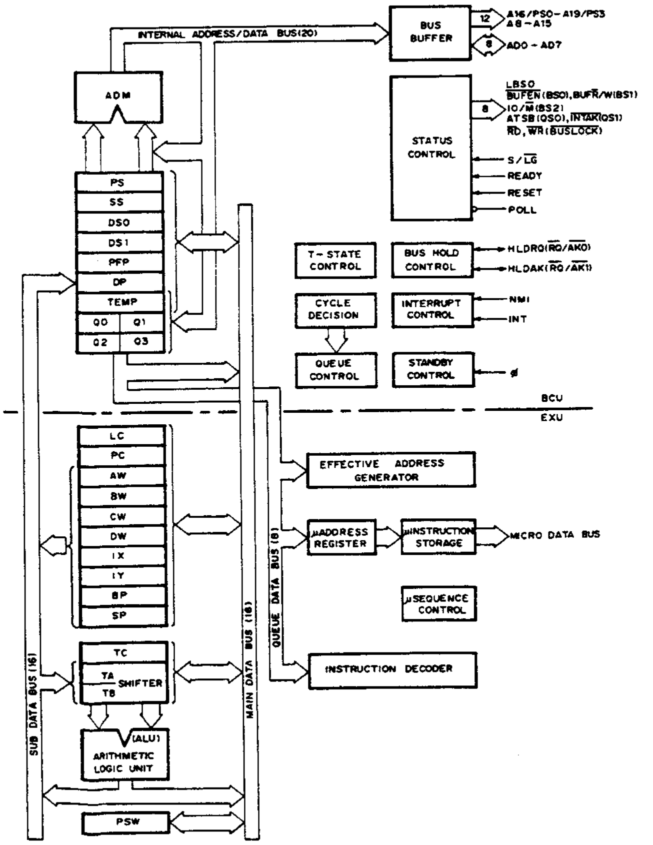
CXQ70108-5 (SONY)
CXQ70108-8 (SONY)
uPD70108D-5 (NEC)
uPD70108D-8 (NEC)
C-MOS 8-BIT MICROPROCESSOR
— TOP VIEW —


1 GND
VDD (+5V) 40
A14 OUT 2
A13 OUT 3
A12 OUT 4
A11 OUT 5
A10 OUT 6
A9 OUT 7
A8 OUT 8
AD7 IN/OUT 9
AD6 IN/OUT 10
AD5 IN/OUT 11
AD4 IN/OUT 12
AD3 IN/OUT 13
AD2 IN/OUT 14
AD1 IN/OUT 15
AD0 IN/OUT 16
NMI IN 17
INT IN 18
ø IN 19
20 GND
39 A15 OUT
38 A16/PS0 OUT
37 A17/PS1 OUT
36 A18/PS2 OUT
35 A19/PS3 OUT
34 LBS0(HIGH) OUT
33 S/LG IN
32 RD OUT
31 HLDRQ (RQ/AK0) IN/OUT
30 HLDAK (RQ/AK1) IN/OUT
29 WR (BUSLOCK) OUT
28 IO/M (BS2) OUT
27 BUFR/W (BS1) OUT
26 BUFEN (BS0) OUT
25 ASTB (QS0) OUT
24 INTAK (QS1) OUT
23 POLL IN
22 READY IN
21 RESET IN

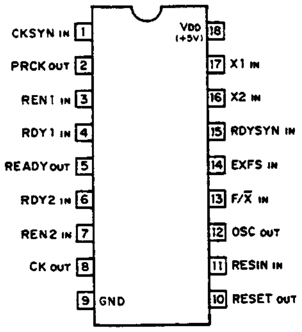

17 NMI
18 INT
19 ø
22 READY
23 POLL
31 HLDRQ
33 S/LG
AD0 16
AD1 15
AD2 14
AD3 13
AD4 12
AD5 11
AD6 10
AD7 9
A8 8
A9 7
A10 6
A11 5
A12 4
A13 3
A14 2
A15 39
A16/PS0 38
A17/PS1 37
A18/PS2 36
A19/PS3 35
BUFEN 26
IO/M 28
WR 29
RD 32
INTAK 24
BUFR/W 27
HLDAK 30
ASTB 25
LBS0 34
RESET 21

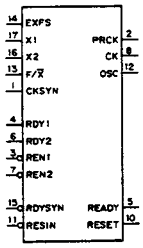
PIN No.	FUNCTION	
	$S/\overline{LG}$ = HIGH LEVEL	$S/\overline{LG}$ = LOW LEVEL
24	$\overline{\mathrm{INTAK}}$	QS1
25	ASTB	QS0
26	$\overline{\mathrm{BUFEN}}$	BS0
27	BUF $\overline{\mathrm{R}}$/W	BS1
28	IO/$\overline{\mathrm{M}}$	BS2
29	$\overline{\mathrm{WR}}$	$\overline{\mathrm{BUSLOCK}}$
30	HLDAK	$\overline{\mathrm{PQ}}/\overline{\mathrm{AK1}}$
31	HLDRQ	$\overline{\mathrm{PQ}}/\overline{\mathrm{AK0}}$
34	LBS0	HIGH LEVEL

A8–A15 ; ADDRESS BUS OUTPUTS
AD0–AD7 ; ADDRESS/DATA BUS INPUTS/OUTPUTS
NMI ; NON-MASKABLE INTERRUPT INPUT
INT ; MASKABLE INTERRUPT INPUT
ø ; CLOCK INPUT
$\overline{\mathrm{INTAK}}$; INTERRUPT ACKNOWLEDGE OUTPUT
ASTB ; ADDRESS STROBE OUTPUT
$\overline{\mathrm{BUFEN}}$; BUFFER ENABLE OUTPUT
BUF$\overline{\mathrm{R}}$/W ; BUFFER $\overline{\mathrm{READ}}$/WRITE OUTPUT
IO/$\overline{\mathrm{M}}$; IO/MEMORY OUTPUT
$\overline{\mathrm{WR}}$; WRITE STROBE OUTPUT
HLDAK ; HOLD ACKNOWLEDGE OUTPUT
HLDRQ ; HOLD REQUEST INPUT
$\overline{\mathrm{RD}}$; READ STROBE OUTPUT
S/$\overline{\mathrm{LG}}$; SMALL/$\overline{\mathrm{LARGE}}$ INPUT
LBS0 ; LATCHED BUS STATUS 0 OUTPUT
A16/PS0–A19/PS3 ; ADDRESS BUS/PROCESSOR STATUS OUTPUTS
QS0 ,1 ; QUEUE STATUS OUTPUTS
BS0–BS2 ; BUS STATUS OUTPUTS
$\overline{\mathrm{BUSLOCK}}$; BUS LOCK OUTPUT
$\overline{\mathrm{RQ}}/\overline{\mathrm{AK0}}$,1 ; HOLD REQUEST/ACKNOWLEDGE INPUTS/OUTPUTS

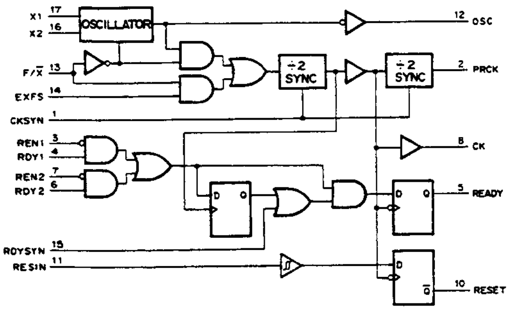

INTERNAL ADDRESS/DATA BUS(20)
BUS BUFFER
12
A16/PS0–A19/PS3
A8–A15
8
AD0 – AD7
ADM
STATUS CONTROL
LBS0
BUFEN(BS0), BUFR/W(BS1)
8
IO/M(BS2)
ATSB(QS0), INTAK(QS1)
RD, WR(BUSLOCK)
S/LG
READY
RESET
POLL
PS
SS
DS0
DS1
PFP
DP
TEMP
Q0
Q1
Q2
Q3
T – STATE CONTROL
BUS HOLD CONTROL
HLDRQ(RQ/AK0)
HLDAK(RQ/AK1)
CYCLE DECISION
INTERRUPT CONTROL
NMI
INT
QUEUE CONTROL
STANDBY CONTROL
ø
BCU
EXU
LC
PC
AW
BW
CW
DW
IX
IY
BP
SP
EFFECTIVE ADDRESS GENERATOR
μADDRESS REGISTER
μINSTRUCTION STORAGE
MICRO DATA BUS
μSEQUENCE CONTROL
QUEUE DATA BUS (8)
INSTRUCTION DECODER
TC
TA
TB
SHIFTER
(ALU)
ARITHMETIC LOGIC UNIT
SUB DATA BUS (16)
MAIN DATA BUS (16)
PSW

CXQ71011P (SONY)
uPD71011C (NEC)
C-MOS CLOCK PULSE GENERATOR/DRIVER
— TOP VIEW —

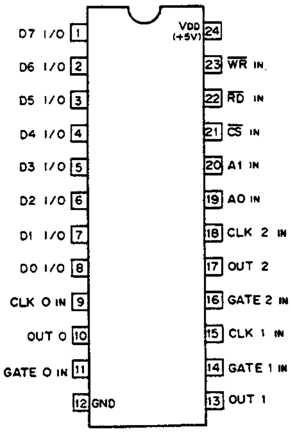

CKSYN IN 1
PRCK OUT 2
REN1 IN 3
RDY1 IN 4
READY OUT 5
RDY2 IN 6
REN2 IN 7
CK OUT 8
9 GND
VDD (+5V) 18
17 X1 IN
16 X2 IN
15 RDYSYN IN
14 EXFS IN
13 F/$\overline{X}$ IN
12 OSC OUT
11 RESIN IN
10 RESET OUT

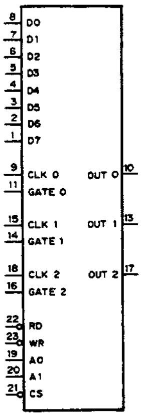

14 EXFS
17 X1
16 X2
13 F/$\overline{X}$
1 CKSYN
4 RDY1
6 RDY2
3 REN1
7 REN2
15 RDYSYN
11 RESIN
PRCK 2
CK 8
OSC 12
READY 5
RESET 10

X1, X2 ; CRYSTAL INPUT
EXFS ; EXTERNAL FREQUENCY SOURCE INPUT
F/$\overline{X}$; FREQUENCY/CRYSTAL SELECT INPUT
CK ; PROCESSOR CLOCK OUTPUT
PRCK ; PERIPHERAL CLOCK OUTPUT
OSC ; OSCILLATOR OUTPUT
CKSYN ; CLOCK SYNCHRONIZATION INPUT
RESIN ; RESET INPUT
RDY1, RDY2 ; BUS READY INPUT
REN1, REN2 ; READY ENABLE INPUT
RDYSYN ; READY SYNCHRONIZATION SELECT INPUT


X1 17
X2 16
OSCILLATOR
F/$\overline{X}$ 13
EXFS 14
CKSYN 1
REN1 3
RDY1 4
REN2 7
RDY2 6
RDYSYN 15
RESIN 11
÷2 SYNC
÷2 SYNC
D
D Q
D $\overline{Q}$
12 OSC
2 PRCK
8 CK
5 READY
10 RESET

CXQ71054P (SONY)
uPD71054C (NEC)
C-MOS PROGRAMMABLE TIMER COUNTER
— TOP VIEW —


D7 I/O 1
D6 I/O 2
D5 I/O 3
D4 I/O 4
D3 I/O 5
D2 I/O 6
D1 I/O 7
D0 I/O 8
CLK 0 IN 9
OUT 0 10
GATE 0 IN 11
12 GND
VDD (+5V) 24
23 $\overline{WR}$ IN
22 $\overline{RD}$ IN
21 $\overline{CS}$ IN
20 A1 IN
19 A0 IN
18 CLK 2 IN
17 OUT 2
16 GATE 2 IN
15 CLK 1 IN
14 GATE 1 IN
13 OUT 1

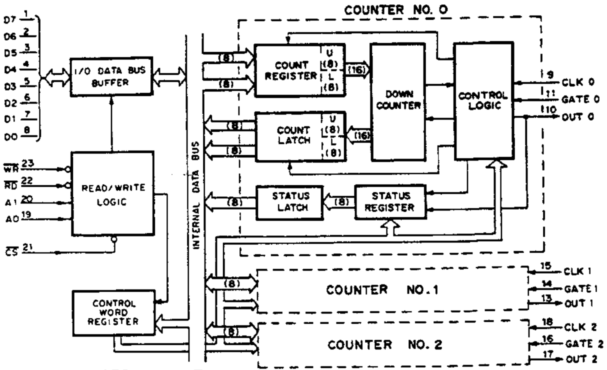

8 D0
7 D1
6 D2
5 D3
4 D4
3 D5
2 D6
1 D7
9 CLK 0
11 GATE 0
15 CLK 1
14 GATE 1
18 CLK 2
16 GATE 2
22 RD
23 WR
19 A0
20 A1
21 CS
OUT 0 10
OUT 1 13
OUT 2 17

FUNCTION TABLE

INPUTS					FUNCTION
CS	RD	WR	A1	A0	
0	1	0	0	0	Load Counter No. 0
0	1	0	0	1	Load Counter No. 1
0	1	0	1	0	Load Counter No. 2
0	1	0	1	1	Control Word
0	0	1	0	0	Read Counter 0
0	0	1	0	1	Read Counter 1
0	0	1	1	0	Read Counter 2
0	0	1	1	1	No-Operation (HI-Z)
1	X	X	X	X	Disable (HI-Z)
0	1	1	X	X	No-Operation (HI-Z)

D7–D0 ; 8-BIT DATA I/O
CLK 0-2 ; COUNTER CLOCK
GATE 0-2 ; COUNTER GATE
OUT 0-2 ; COUNTER OUTPUT
RD ; READ COUNTER
WR ; WRITE CMD OR DATA
CS ; CHIP SELECT
A0, A1 ; COUNTER SELECT

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE


COUNTER NO. 0
D7 1
D6 2
D5 3
D4 4
D3 5
D2 6
D1 7
D0 8
I/O DATA BUS BUFFER
$\overline{WR}$ 23
$\overline{RD}$ 22
A1 20
A0 19
$\overline{CS}$ 21
READ/WRITE LOGIC
CONTROL WORD REGISTER
INTERNAL DATA BUS
(8)
COUNT REGISTER
U (8)
L (8)
(16)
COUNT LATCH
DOWN COUNTER
CONTROL LOGIC
STATUS LATCH
STATUS REGISTER
9 CLK 0
11 GATE 0
10 OUT 0
COUNTER NO. 1
15 CLK 1
14 GATE 1
13 OUT 1
COUNTER NO. 2
18 CLK 2
16 GATE 2
17 OUT 2

CONTROL WORD FORMAT

D7	D6	D5	D4	D3	D2	D1	D0
SC1	SC0	RL1	RL0	M2	M1	M0	BCD

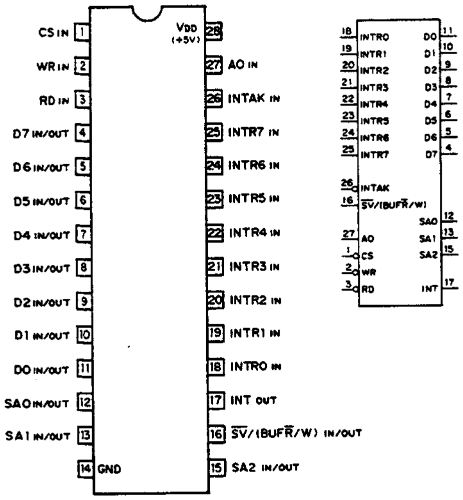
BCD	OPERATION
0	16-BIT BINARY
1	BCD (4-DECADE)

M2	M1	M0	MODE
0	0	0	0
0	0	1	1
X	1	0	2
X	1	1	3
1	0	0	4
1	0	1	5

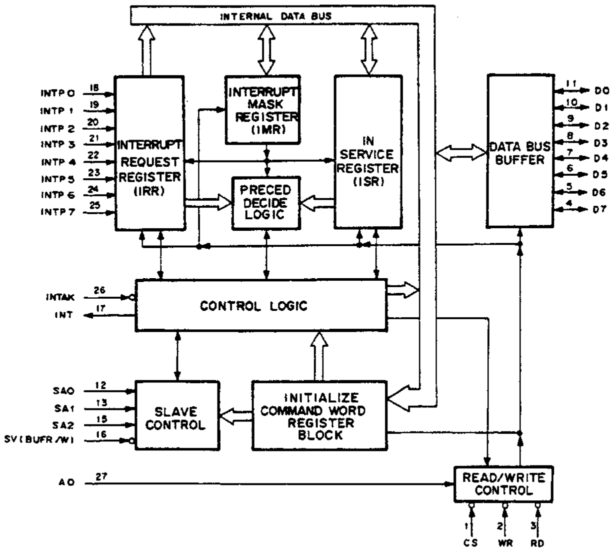
RL1	RL0	OPERATION
0	0	COUNTER LATCHING
0	1	READ/LOAD LSB ONLY
1	0	READ/LOAD MSB ONLY
1	1	LSB FIRST THEN MSB

SC1	SC0	SELECTED COUNTER
0	0	COUNTER No. 0
0	1	COUNTER No. 1
1	0	COUNTER No. 2
1	1	MULTIPLE LATCH CMD

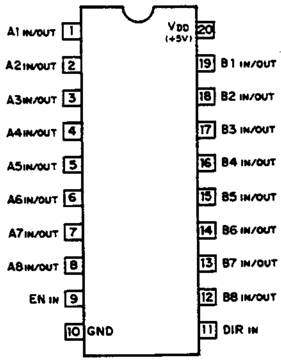
CXQ71059P (SONY)
uPD71059C (NEC)
C-MOS INTERRUPT CONTROL UNIT
— TOP VIEW —


CS IN 1
WR IN 2
RD IN 3
D7 IN/OUT 4
D6 IN/OUT 5
D5 IN/OUT 6
D4 IN/OUT 7
D3 IN/OUT 8
D2 IN/OUT 9
D1 IN/OUT 10
D0 IN/OUT 11
SA0 IN/OUT 12
SA1 IN/OUT 13
14 GND
VDD (+5V) 28
27 A0 IN
26 INTAK IN
25 INTR7 IN
24 INTR6 IN
23 INTR5 IN
22 INTR4 IN
21 INTR3 IN
20 INTR2 IN
19 INTR1 IN
18 INTR0 IN
17 INT OUT
16 SV/(BUFR/W) IN/OUT
15 SA2 IN/OUT
INTR0
INTR1
INTR2
INTR3
INTR4
INTR5
INTR6
INTR7
INTAK
SV/(BUFR/W)
A0
CS
WR
RD
D0
D1
D2
D3
D4
D5
D6
D7
SA0
SA1
SA2
INT

INTR0 - INTR7 ; INTERRUPT REQUEST INPUTS
D0 - D7 ; DATA BUS INPUTS/OUTPUTS
CS ; CHIP SELECT INPUT
RD ; READ STROBE INPUT
WR ; WRITE STROBE INPUT
A0 ; ADDRESS INPUT
INT ; INTERRUPT OUTPUT
INTAK ; INTERRUPT ACKNOWLEDGE INPUT
SV/(BUFR/W) ; SLAVE/BUFFER READ/WRITE INPUT/OUTPUT
SA0 - SA2 ; SLAVE ADDRESS INPUTS/OUTPUTS

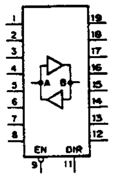

INTERNAL DATA BUS
INTP 0
INTP 1
INTP 2
INTP 3
INTP 4
INTP 5
INTP 6
INTP 7
INTERRUPT REQUEST REGISTER (IRR)
INTERRUPT MASK REGISTER (IMR)
PRECED DECIDE LOGIC
IN SERVICE REGISTER (ISR)
DATA BUS BUFFER
D0
D1
D2
D3
D4
D5
D6
D7
INTAK
INT
CONTROL LOGIC
SA0
SA1
SA2
SV(BUFR/W)
SLAVE CONTROL
INITIALIZE COMMAND WORD REGISTER BLOCK
A0
READ/WRITE CONTROL
CS
WR
RD

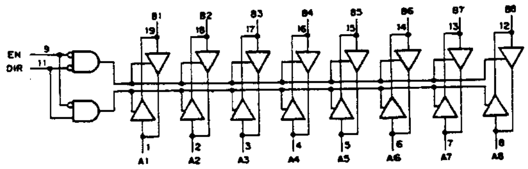
CXQ71086P (SONY)
uPD71086C (NEC)
C-MOS 8-BIT BUS DRIVER/RECEIVER
— TOP VIEW —


A1 IN/OUT 1
A2 IN/OUT 2
A3 IN/OUT 3
A4 IN/OUT 4
A5 IN/OUT 5
A6 IN/OUT 6
A7 IN/OUT 7
A8 IN/OUT 8
EN IN 9
10 GND
VDD (+5V) 20
19 B1 IN/OUT
18 B2 IN/OUT
17 B3 IN/OUT
16 B4 IN/OUT
15 B5 IN/OUT
14 B6 IN/OUT
13 B7 IN/OUT
12 B8 IN/OUT
11 DIR IN

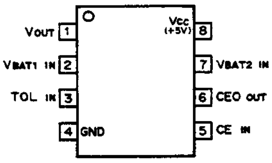
EN	DIR	OPERATION
0	0	B to A
0	1	A to B
1	X	HI-Z

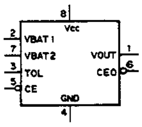
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
HI-Z; HIGH IMPEDANCE




B1
B2
B3
B4
B5
B6
B7
B8
EN
DIR
A1
A2
A3
A4
A5
A6
A7
A8

DS1210 (DALLAS SEMICONDUCTOR)
NONVOLATILE CONTROLLER
— TOP VIEW —

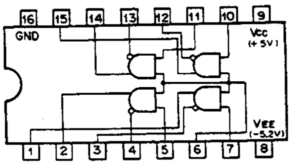

VOUT 1
VBAT1 IN 2
TOL IN 3
4 GND
VCC (+5V) 8
7 VBAT2 IN
6 CEO OUT
5 CE IN


VBAT1
VBAT2
TOL
CE
VCC
VOUT
CEO
GND

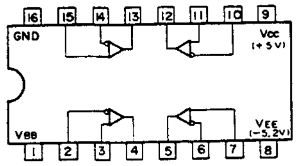
VOUT ; +5V OUTPUT
TOL ; POWER SUPPLY TOLERANCE INPUT
VBAT1, VBAT2 ; + BATTERY INPUTS
CE ; CHIP ENABLE INPUT
CEO ; CHIP ENABLE OUTPUT

F10124 (FSC)
HD10124 (HITACHI)
MC10124L (MOTOROLA)
MC10H124F (MOTOROLA) FLAT PACKAGE
MC10H124L (MOTOROLA)
MC10H124M (MOTOROLA) FLAT PACKAGE
ECL TTL-TO-ECL TRANSLATOR
— TOP VIEW —

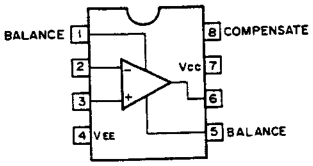
MC10124L


GND
VCC (+5V)
VEE (-5.2V)
16
15
14
13
12
11
10
9
1
2
3
4
5
6
7
8

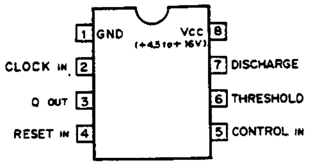
F10125 (FSC)
HD10125 (HITACHI)
HD2923 (HITACHI)
MC10125L (MOTOROLA)
MC10H125F (MOTOROLA) FLAT PACKAGE
MC10H125L (MOTOROLA)
MC10H125M (MOTOROLA) FLAT PACKAGE
ECL ECL-TO-TTL TRANSLATOR
— TOP VIEW —

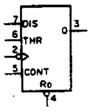

16
15
14
13
12
11
10
9
GND
Vcc (+5V)
VBB
VEE (-5.2V)
1
2
3
4
5
6
7
8

HA3-2525-5 (HARRIS)
HA7-2525 (HARRIS)
OPERATIONAL AMPLIFIER
— TOP VIEW —

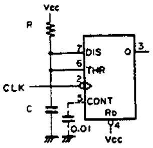

BALANCE
1
2
3
4
VEE
8
COMPENSATE
Vcc
7
6
5
BALANCE
-
+

HA17555GS (HITACHI)
HA17555PS (HITACHI)
M51841P (MITSUBISHI)
NE555N (SIGNETICS)
NJM555D (JRC)
TL1555P (TI)
uPC1555C (NEC)
PRECISION TIMER
— TOP VIEW —


1
GND
CLOCK IN
2
Q OUT
3
RESET IN
4
Vcc (+4.5 to +16V)
8
7
DISCHARGE
6
THRESHOLD
5
CONTROL IN

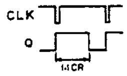

7
DIS
6
THR
2
5
CONT
RD
4
Q
3

MONOSTABLE MULTIVIBRATOR

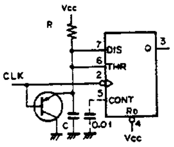

Vcc
R
7
DIS
6
THR
2
CLK
5
CONT
C
0.01
RD
4
Vcc
Q
3

INPUTS		OUT
RD	CLK	Q
0	X	0
1	↓	⎍

0, LOW LEVEL
1, HIGH LEVEL
X, DON'T CARE

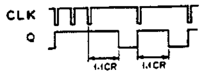


RETRIGGERABLE MONO. MULTIVIBRATOR
(MISSING PULSE DETECTOR)

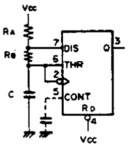

Vcc
R
7
DIS
6
THR
2
CLK
5
CONT
C
0.01
RD
4
Vcc
Q
3

INPUTS		OUT
RD	CLK	Q
0	X	0
1	↓	⎍

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

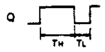


ASTABLE MULTIVIBRATOR


Vcc
RA
RB
7
DIS
6
THR
2
5
CONT
C
RD
4
Vcc
Q
3

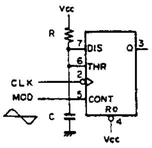
RD	Q
0	0
1	⎍⎍

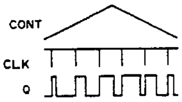
0 ; LOW LEVEL
1 ; HIGH LEVEL



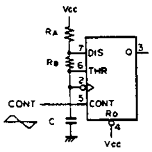
$T_H = 0.693C\ (R_A + R_B)$
$T_L = 0.693C\ R_B$

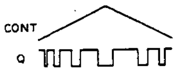
PULSE WIDTH MODULATOR


Vcc
R
7
DIS
6
THR
2
CLK
MOD
5
CONT
C
RD
4
Vcc
Q
3

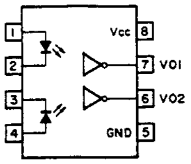


VCO
(PULSE POSITION MODULATOR)

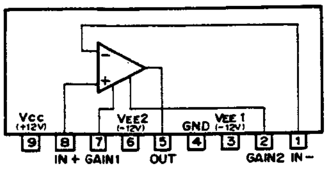

Vcc
RA
RB
7
DIS
6
THR
2
CONT
5
CONT
C
RD
4
Vcc
Q
3



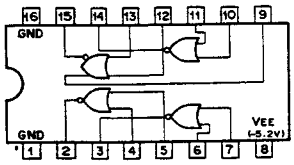
HCPL-2630
ULTRA HIGH SPEED OPTICAL ISOLATOR
DUAL-CHANNEL

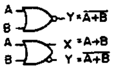

Vcc
VO1
VO2
GND
1
2
3
4
5
6
7
8

HD-1A (SOSHIN)
HD-1B (SOSHIN)
VIDEO AMPLIFIER
— PRINTED SIDE VIEW —


Vcc (+12V)
VEE2 (-12V)
GND
VEE1 (-12V)
9
8
7
6
5
4
3
2
1
IN+
GAIN1
OUT
GAIN2
IN-

HD10102 (HITACHI)
MC10102L (MOTOROLA)
MC10H102L (MOTOROLA)
ECL 2-INPUT NOR GATE
— TOP VIEW —

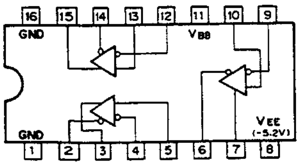

16
15
14
13
12
11
10
9
GND
GND
VEE (-5.2V)
1
2
3
4
5
6
7
8


A
B
Y = $\overline{A+B}$
A
B
X = A+B
Y = $\overline{A+B}$

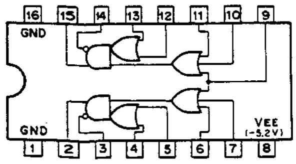
A	B	X	Y
0	0	0	1
0	1	1	0
1	0	1	0
1	1	1	0

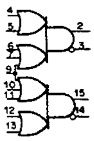
0; LOW LEVEL
1; HIGH LEVEL

HD10116 (HITACHI)
MC10116L (MOTOROLA)
MC10H116F (MOTOROLA) FLAT PACKAGE
MC10H116L (MOTOROLA)
MC10H116M (MOTOROLA) FLAT PACKAGE
ECL DIFFERENTIAL OR/NOR LINE RECEIVER
— TOP VIEW —

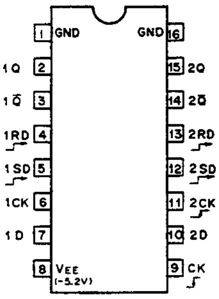

16
15
14
13
12
11
10
9
GND
VBB
GND
VEE (-5.2V)
1
2
3
4
5
6
7
8

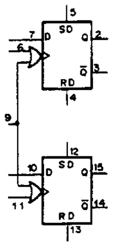
HD10117 (HITACHI)
MC10117L (MOTOROLA)
MC10H117L (MOTOROLA)
ECL 2-WIDE 2-3-INPUT OR-AND/OR-AND-INVERT GATE
— TOP VIEW —


16
15
14
13
12
11
10
9
GND
GND
VEE (-5.2V)
1
2
3
4
5
6
7
8


4
5
6
7
9
10
11
12
13
2
3
15
14

HD10131 (HITACHI)
MC10131L (MOTOROLA)
MC10H131F (MOTOROLA) FLAT PACKAGE
MC10H131L (MOTOROLA)
MC10H131M (MOTOROLA) FLAT PACKAGE
ECL D-TYPE FLIP FLOP
— TOP VIEW —

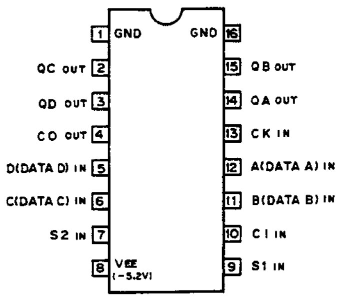

1 GND
GND 16
1Q 2
1$\overline{Q}$ 3
1RD 4
1SD 5
1CK 6
1D 7
8 VEE (-5.2V)
15 2Q
14 2$\overline{Q}$
13 2RD
12 2SD
11 2CK
10 2D
9 CK

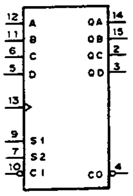

5
SD
7
D
Q
2
6
$\overline{Q}$
3
RD
4
9
12
SD
10
D
Q
15
11
$\overline{Q}$
14
RD
13

INPUTS				OUTPUTS	
SD	RD	CK	D	Q_{n+1}	$\overline{Q_{n+1}}$
1	0	X	X	1	0
0	1	X	X	0	1
1	1	X	X	ND	ND
0	0	⎍	1	1	0
0	0	⎍	0	0	1
0	0	0	X	Q_n	$\overline{Q_n}$

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
ND; NOT DEFINED

HD10136 (HITACHI)
MC10136L (MOTOROLA)
ECL PROGRAMMABLE SYNCHRONOUS 4-BIT BINARY UP/DOWN COUNTER
— TOP VIEW —


1 GND
GND 16
QC OUT 2
QD OUT 3
CO OUT 4
D(DATA D) IN 5
C(DATA C) IN 6
S2 IN 7
8 VEE (-5.2V)
15 QB OUT
14 QA OUT
13 CK IN
12 A(DATA A) IN
11 B(DATA B) IN
10 CI IN
9 S1 IN


12 A
11 B
6 C
5 D
13
9 S1
7 S2
10 CI
QA 14
QB 15
QC 2
QD 3
CO 4

COUNT SEQUENCE

COUNT	OUTPUTS			
	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

MODE SELECTION

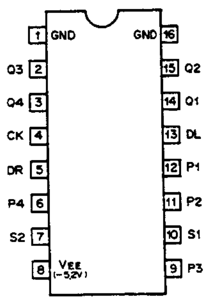
INPUTS			MODE
S1	S2	CI	
0	0	X	PRESET (LOAD)
0	1	0	COUNT UP
1	0	0	COUNT DOWN
1	1	X	COUNT HOLD
X	X	1	COUNT DISABLE

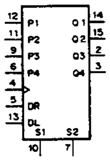
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

CO GOES LOW WHEN COUNT GOES "15" AT UP-COUNT OR WHEN COUNT GOES "0" AT DOWN COUNT OR WHEN THE COUNTER IS BEING PRESET.

CI INPUT ALLOWS SEVERAL DEVICES TO BE CASCADED IN A FULLY SYNCHRONOUS MULTISTAGE COUNTER.

HD10141 (HITACHI)
MC10141L (MOTOROLA)
MC10H141L (MOTOROLA)
ECL 4-BIT SHIFT REGISTER
— TOP VIEW —


1 GND
GND 16
Q3 2
Q4 3
CK 4
DR 5
P4 6
S2 7
8 VEE (-5.2V)
15 Q2
14 Q1
13 DL
12 P1
11 P2
10 S1
9 P3

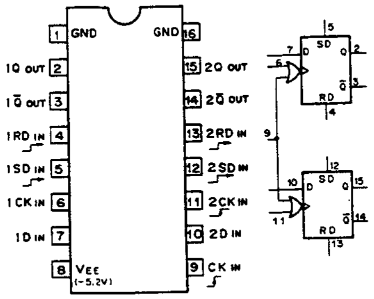

12 P1
11 P2
9 P3
6 P4
4
5 DR
13 DL
S1 10
S2 7
Q1 14
Q2 15
Q3 2
Q4 3

P1 to P4 ; PARALLEL DATA IN
CK ; CLOCK (⎍) IN
DR ; DIRECTION RIGHT IN
DL ; DIRECTION LEFT IN
S1 , S2 ; MODE SELECT IN

SELECT		MODE	OUTPUT			
S1	S2		$Q1_{n+1}$	$Q2_{n+1}$	$Q3_{n+1}$	$Q4_{n+1}$
0	0	PARALLEL ENTRY	P1	P2	P3	P4
0	1	SHIFT RIGHT	$Q2_n$	$Q3_n$	$Q4_n$	DR
1	0	SHIFT LEFT	DL	$Q1_n$	$Q2_n$	$Q3_n$
1	1	STOP SHIFT	$Q1_n$	$Q2_n$	$Q3_n$	$Q4_n$

0; LOW LEVEL
1; HIGH LEVEL

HD10231 (HITACHI)
MC10231L (MOTOROLA)
ECL D-TYPE MASTER-SLAVE FLIP FLOP
— TOP VIEW —

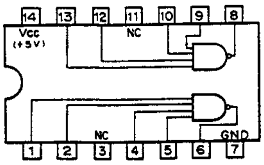

1 GND
GND 16
1Q OUT 2
15 2Q OUT
1$\overline{Q}$ OUT 3
14 2$\overline{Q}$ OUT
1RD IN 4
13 2RD IN
1SD IN 5
12 2SD IN
1CK IN 6
11 2CK IN
1D IN 7
10 2D IN
8 VEE (−5.2V)
9 CK IN
SD
RD
D
Q
$\overline{Q}$
5
7
6
2
3
4
9
12
10
11
15
14
13

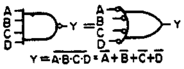
INPUTS		OUTPUTS	
CK	D	Qn+1	$\overline{Qn+1}$
1,0,ʅ	X	Qn	$\overline{Qn}$
ʃ	0	0	1
ʃ	1	1	0

INPUTS		OUTPUTS	
SD	RD	Qn+1	$\overline{Qn+1}$
0	0	Qn	$\overline{Qn}$
1	0	1	0
0	1	0	1
1	1	ND	ND

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
ND ; NOT DEFINED

HD7420P (HITACHI)
HD74LS20P (HITACHI)
M74LS20P (MITSUBISHI)
MB74LS20 (FUJITSU)
SN7420N (TI)
SN74ALS20AN (TI)
SN74AS20N (TI)
SN74LS20N (TI)
SN74S20N (TI)
TTL 4-INPUT POSITIVE NAND GATE
— TOP VIEW —


14
13
12
11
10
9
8
VCC (+5V)
NC
NC
GND
1
2
3
4
5
6
7

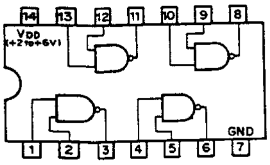

A
B
C
D
Y
A
B
C
D
Y

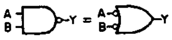
$Y = \overline{A \cdot B \cdot C \cdot D} = \overline{A} + \overline{B} + \overline{C} + \overline{D}$

A	B	C	D	Y
0	0	0	0	1
0	0	0	1	1
0	0	1	0	1
0	0	1	1	1
0	1	0	0	1
⋮	⋮	⋮	⋮	⋮
1	1	0	1	1
1	1	1	0	1
1	1	1	1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

HD74HC00P (HITACHI)
MC74HC00F (MOTOROLA) FLAT PACKAGE
MC74HC00N (MOTOROLA)
MN74HC00S (MATSUSHITA) FLAT PACKAGE
MSM74HC00RS (OKI)
SN74HC00N (TI)
SN74HC00NS (TI) FLAT PACKAGE
TC74HC00F (TOSHIBA) FLAT PACKAGE
TC74HC00P (TOSHIBA)
uPD74HC00C (NEC)
uPD74HC00G (NEC) FLAT PACKAGE
C-MOS 2-INPUT NAND GATE
— TOP VIEW —


14
13
12
11
10
9
8
VDD (+2 to +6V)
GND
1
2
3
4
5
6
7

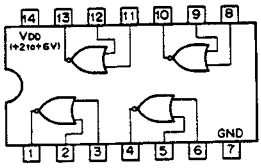


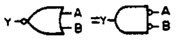
$Y = \overline{A \cdot B} = \overline{A} + \overline{B}$

A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

HD74HC02P (HITACHI)
MC74HC02N (MOTOROLA)
MSM74HC02RS (OKI)
SN74HC02N (TI)
SN74HC02NS (TI) FLAT PACKAGE
TC74HC02F (TOSHIBA) FLAT PACKAGE
TC74HC02P (TOSHIBA)
uPD74HC02C (NEC)
C MOS 2-INPUT POSITIVE-NOR GATE
— TOP VIEW —


14
13
12
11
10
9
8
VDD (+2 to +6V)
GND
1
2
3
4
5
6
7

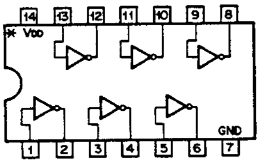


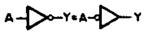
$Y = \overline{A + B} = \overline{A} \cdot \overline{B}$

A	B	Y
0	0	1
0	1	0
1	0	0
1	1	0

0 : LOW LEVEL
1 : HIGH LEVEL

HD74HC04P (HITACHI)
MC74HC04F (MOTOROLA) FLAT PACKAGE
MC74HC04N (MOTOROLA)
MC74HCT04N (MOTOROLA)
MC74HCU04N (MOTOROLA)
MN74HC04S (MATSUSHITA) FLAT PACKAGE
MSM74HC04RS (OKI)
SN74HC04N (TI)
SN74HCU04N (TI)
SN74HC04NS (TI) FLAT PACKAGE
TC74HC04F (TOSHIBA) FLAT PACKAGE
TC74HC04P (TOSHIBA)
TC74HCT04P (TOSHIBA)
TC74HCU04F (TOSHIBA) FLAT PACKAGE
TC74HCU04P (TOSHIBA)
uPD74HC04G (NEC) FLAT PACKAGE
uPD74HCU04C (NEC)
C-MOS INVERTER
— TOP VIEW —


14
13
12
11
10
9
8
* VDD
GND
1
2
3
4
5
6
7



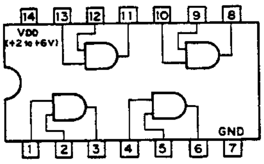
$Y = \overline{A}$

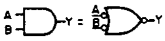
A	Y
0	1
1	0

0 : LOW LEVEL
1 : HIGH LEVEL

* VDD HC, HCU ; +2 to +6V
HCT ; +5V

HD74HC08P (HITACHI)
MC74HC08N (MOTOROLA)
SN74HC08N (TI)
SN74HC08NS (TI) FLAT PACKAGE
TC74HC08F (TOSHIBA) FLAT PACKAGE
TC74HC08P (TOSHIBA)
uPD74HC08C (NEC)
C-MOS 2-INPUT AND GATE
— TOP VIEW —


14
13
12
11
10
9
8
VDD (+2 to +6V)
GND
1
2
3
4
5
6
7

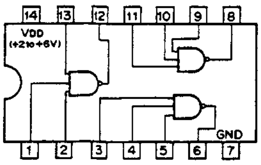


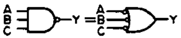
$Y = A \cdot B = \overline{\overline{A} + \overline{B}}$

A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

0 ; LOW LEVEL
1 ; HIGH LEVEL

HD74HC10P (HITACHI)
MC74HC10N (MOTOROLA)
MSM74HC10RS (OKI)
SN74HC10N (TI)
TC74HC10F (TOSHIBA) FLAT PACKAGE
TC74HC10P (TOSHIBA)
uPD74HC10C (NEC)
C-MOS 3-INPUT NAND GATE
— TOP VIEW —


14
13
12
11
10
9
8
VDD
(+2to+6V)
GND
1
2
3
4
5
6
7

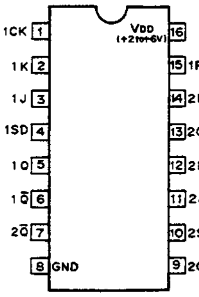


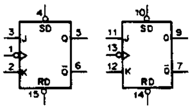
$Y = \overline{ABC} = \overline{A}+\overline{B}+\overline{C}$

A	B	C	Y
0	0	0	1
0	0	1	1
0	1	0	1
0	1	1	1
1	0	0	1
1	0	1	1
1	1	0	1
1	1	1	0

0 : LOW LEVEL
1 : HIGH LEVEL

HD74HC112P (HITACHI)
MC74HC112N (MOTOROLA)
SN74HC112N (TI)
TC74HC112P (TOSHIBA)
C-MOS J-K FLIP-FLOP WITH DIRECT SET/RESET
— TOP VIEW —

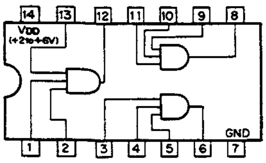

1CK 1
1K 2
1J 3
1SD 4
1Q 5
1Q̄ 6
2Q̄ 7
8 GND
VDD (+2to+6V) 16
15 1RD
14 2RD
13 2CK
12 2K
11 2J
10 2SD
9 2Q

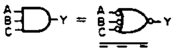

4
SD
3
J
1
2
K
Q
5
Q̄
6
RD
15
10
SD
11
J
13
12
K
Q
9
Q̄
7
RD
14

INPUT					OUTPUT	
SD	RD	CK	J	K	Qn+1	$\overline{Qn+1}$
0	1	X	X	X	1	0
1	0	X	X	X	0	1
0	0	X	X	X	1*	1*
1	1	↓	0	0	Qn	$\overline{Qn}$
			0	1	0	1
			1	0	1	0
			1	1	$\overline{Qn}$	Qn
1	1	1	X	X	Qn	$\overline{Qn}$

0; LOW LEVEL X; DON'T CARE
1; HIGH LEVEL *; NONSTABLE

HD74HC11P (HITACHI)
MC74HC11F (MOTOROLA) FLAT PACKAGE
MC74HC11N (MOTOROLA)
SN74HC11N (TI)
SN74HC11NS (TI) FLAT PACKAGE
TC74HC11F (TOSHIBA) FLAT PACKAGE
TC74HC11P (TOSHIBA)
C-MOS 3-INPUT POSITIVE-AND GATE


14
13
12
11
10
9
8
VDD
(+2to+6V)
GND
1
2
3
4
5
6
7

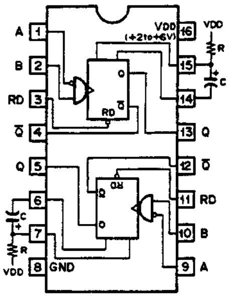


$Y = A \cdot B \cdot C = \overline{\overline{A}+\overline{B}+\overline{C}}$

A	B	C	Y
0	0	0	0
0	0	1	0
0	1	0	0
0	1	1	0
1	0	0	0
1	0	1	0
1	1	0	0
1	1	1	1

0; LOW LEVEL
1; HIGH LEVEL

HD74HC123P (HITACHI)
MC74HC123N (MOTOROLA)
TC74HC123F (TOSHIBA) FLAT PACKAGE
TC74HC123P (TOSHIBA)
uPD74HC123AC (NEC)
uPD74HC123C (NEC)
C-MOS DUAL RETRIGGERABLE MONOSTABLE MULTIVIBRATOR
— TOP VIEW —

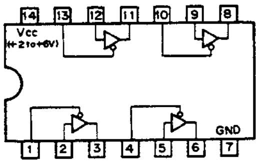

A 1
B 2
RD 3
Q̄ 4
Q 5
6
C
7
R
VDD 8 GND
VDD (+2to+6V) 16
VDD
R
C
15
14
13 Q
12 Q̄
11 RD
10 B
9 A
RD
RD

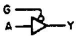
INPUT			OUTPUT	
RD	A	B	Q	Q̄
0	X	X	0	1
1	1	X	0	1
1	X	0	0	1
1	0	↑	⊓	⊔
1	↓	1	⊓	⊔
↑	0	1	⊓	⊔

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

OUTPUT PULSE WIDTH = 0.46CR

HD74HC125P (HITACHI)
MC74HC125N (MOTOROLA)
SN74HC125N (TI)
uPD74HC125C (NEC)
C-MOS BUS BUFFER GATES WITH 3-STATE OUTPUT
— TOP VIEW —

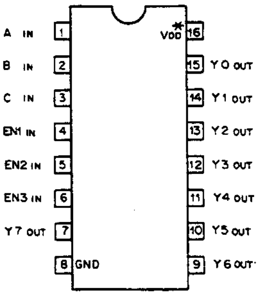

14
13
12
11
10
9
8
Vcc
(+2to+6V)
GND
1
2
3
4
5
6
7

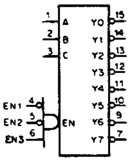


G	A	Y
0	0	0
0	1	1
1	X	HI-Z

0; LOW LEVEL X; DON'T CARE
1; HIGH LEVEL HI-Z; HIGH IMPEDANCE

HD74HC138P (HITACHI)
HD74HCT138P (HITACHI)
MC74HC138N (MOTOROLA)
MC74HCT138N (MOTOROLA)
SN74HC138N (TI)
SN74HC138NS (TI) FLAT PACKAGE
TC74HC138F (TOSHIBA) FLAT PACKAGE
TC74HC138P (TOSHIBA)
TC74HCT138P (TOSHIBA)
C-MOS 3-TO-8 LINE DECODER/DEMULTIPLEXER
— TOP VIEW —


A IN 1
B IN 2
C IN 3
EN1 IN 4
EN2 IN 5
EN3 IN 6
Y7 OUT 7
8 GND
* VDD 16
15 Y0 OUT
14 Y1 OUT
13 Y2 OUT
12 Y3 OUT
11 Y4 OUT
10 Y5 OUT
9 Y6 OUT


1 A
2 B
3 C
EN1 4
EN2 5
EN3 6
EN
Y0 15
Y1 14
Y2 13
Y3 12
Y4 11
Y5 10
Y6 9
Y7 7

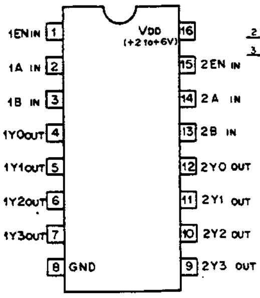
* VDD HC ; +2 to +6V
HCT; +5V

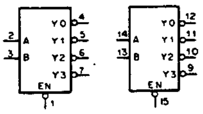
INPUT				OUTPUT							
EN	C	B	A	Y7	Y6	Y5	Y4	Y3	Y2	Y1	Y0
0	X	X	X	1	1	1	1	1	1	1	1
1	0	0	0	1	1	1	1	1	1	1	0
1	0	0	1	1	1	1	1	1	1	0	1
1	0	1	0	1	1	1	1	1	0	1	1
1	0	1	1	1	1	1	1	0	1	1	1
1	1	0	0	1	1	1	0	1	1	1	1
1	1	0	1	1	1	0	1	1	1	1	1
1	1	1	0	1	0	1	1	1	1	1	1
1	1	1	1	0	1	1	1	1	1	1	1

$EN = \overline{EN1} \cdot \overline{EN2} \cdot EN3$

0 : LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

HD74HC139P (HITACHI)
MC74HC139N (MOTOROLA)
MSM74HC139RS (OKI)
SN74HC139N (TI)
TC74HC139F (TOSHIBA) FLAT PACKAGE
TC74HC139P (TOSHIBA)
uPD74HC139C (NEC)
C-MOS 1-OF-4 DECODER/DEMULTIPLEXER
— TOP VIEW —

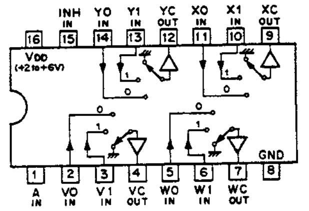

1EN IN 1
1A IN 2
1B IN 3
1Y0 OUT 4
1Y1 OUT 5
1Y2 OUT 6
1Y3 OUT 7
8 GND
VDD (+2 to +6V) 16
15 2EN IN
14 2A IN
13 2B IN
12 2Y0 OUT
11 2Y1 OUT
10 2Y2 OUT
9 2Y3 OUT

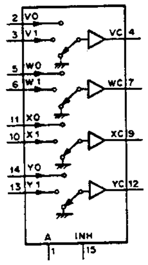

2 A
3 B
Y0 4
Y1 5
Y2 6
Y3 7
EN
1
14 A
13 B
Y0 12
Y1 11
Y2 10
Y3 9
EN
15

INPUTS			OUTPUTS			
EN	B	A	Y3	Y2	Y1	Y0
0	0	0	1	1	1	0
0	0	1	1	1	0	1
0	1	0	1	0	1	1
0	1	1	0	1	1	1
1	X	X	1	1	1	1

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

HD74HC157P (HITACHI)
MC74HC157N (MOTOROLA)
MSM74HC157RS (OKI)
SN74HC157N (TI)
TC74HC157F (TOSHIBA) FLAT PACKAGE
TC74HC157P (TOSHIBA)
uPD74HC157C (NEC)
C-MOS 2-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER
— TOP VIEW —

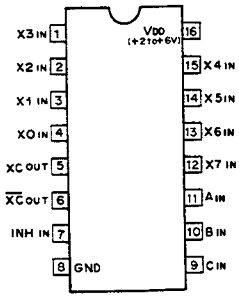

INH IN
Y0 IN
Y1 IN
YC OUT
X0 IN
X1 IN
XC OUT
16
15
14
13
12
11
10
9
VDD (+2 to +6V)
GND
1
2
3
4
5
6
7
8
A IN
V0 IN
V1 IN
VC OUT
W0 IN
W1 IN
WC OUT

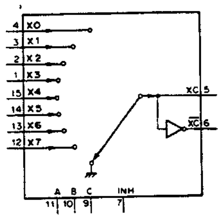

2 V0
3 V1
VC 4
5 W0
6 W1
WC 7
11 X0
10 X1
XC 9
14 Y0
13 Y1
YC 12
A
INH
1
15

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

CONT. IN		ON CHANNEL
INH	A	
0	0	0
0	1	1
1	X	GND

HD74HC151P (HITACHI)
MC74HC151N (MOTOROLA)
SN74HC151N (TI)
TC74HC151P (TOSHIBA)
C-MOS 8-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER
— TOP VIEW —

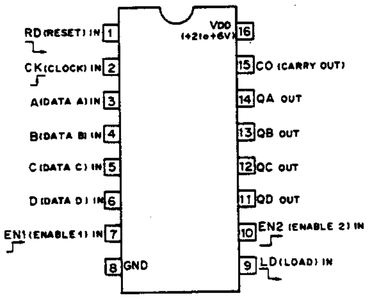

X3 IN 1
X2 IN 2
X1 IN 3
X0 IN 4
XC OUT 5
XC OUT 6
INH IN 7
8 GND
VDD (+2 to +6V) 16
15 X4 IN
14 X5 IN
13 X6 IN
12 X7 IN
11 A IN
10 B IN
9 C IN

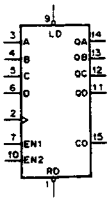

4 X0
3 X1
2 X2
1 X3
15 X4
14 X5
13 X6
12 X7
XC 5
XC 6
A B C
INH
11 10 9
7

CONTROL INPUT				ON CHANNEL
INH	C	B	A	
0	0	0	0	0
0	0	0	1	1
0	0	1	0	2
0	0	1	1	3
0	1	0	0	4
0	1	0	1	5
0	1	1	0	6
0	1	1	1	7
1	X	X	X	GND

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

HD74HC161P (HITACHI)
MC74HC161N (MOTOROLA)
SN74HC161N (TI)
TC74HC161F (TOSHIBA) FLAT PACKAGE
TC74HC161P (TOSHIBA)
C-MOS SYNCHRONOUS PRESETTABLE 4-BIT BINARY COUNTER
— TOP VIEW —


RD (RESET) IN 1
CK (CLOCK) IN 2
A (DATA A) IN 3
B (DATA B) IN 4
C (DATA C) IN 5
D (DATA D) IN 6
EN1 (ENABLE 1) IN 7
8 GND
VDD (+2 to +6V) 16
15 CO (CARRY OUT)
14 QA OUT
13 QB OUT
12 QC OUT
11 QD OUT
10 EN2 (ENABLE 2) IN
9 LD (LOAD) IN


9
LD
3 A
4 B
5 C
6 D
2
7 EN1
10 EN2
RD
1
QA 14
QB 13
QC 12
QD 11
CO 15

MODE SELECTION

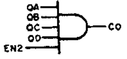
CONTROL INPUT				MODE
RD	LD	EN1	EN2	
0	X	X	X	RESET (ASYNCHRONOUS)
1	0	X	X	PRESET (SYNCHRONOUS)
1	1	0	X	NO COUNT
1	1	X	0	NO COUNT
1	1	1	1	COUNT

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

COUNT SEQUENCE

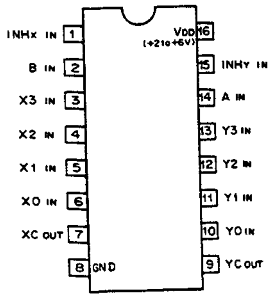
COUNT	OUTPUT			
	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

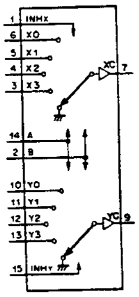
CARRY OUTPUT "CO"


QA
QB
QC
QD
EN2
CO

CO IS HIGH WHEN EN2 INPUT IS HIGH AND COUNT IS "15".

HD74HC153P (HITACHI)
MC74HC153N (MOTOROLA)
SN74HC153N (TI)
SN74HC153NS (TI) FLAT PACKAGE
TC74HC153F (TOSHIBA) FLAT PACKAGE
TC74HC153P (TOSHIBA)
C-MOS 4-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER
— TOP VIEW —

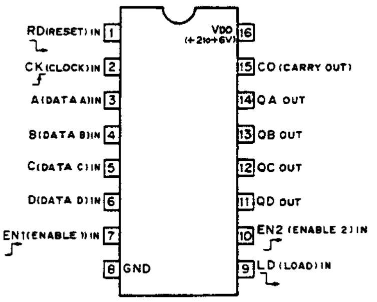

INHx IN 1
B IN 2
X3 IN 3
X2 IN 4
X1 IN 5
X0 IN 6
XC OUT 7
8 GND
VDD (+2 to +6V) 16
15 INHY IN
14 A IN
13 Y3 IN
12 Y2 IN
11 Y1 IN
10 Y0 IN
9 YC OUT

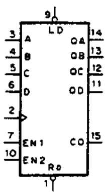

1 INHx
6 X0
5 X1
4 X2
3 X3
XC 7
14 A
2 B
10 Y0
11 Y1
12 Y2
13 Y3
YC 9
15 INHY

CONTROL IN			ON CHANNEL
INH	B	A	
0	0	0	0
0	0	1	1
0	1	0	2
0	1	1	3
1	X	X	GND

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

HD74HC162P (HITACHI)
MC74HC162N (MOTOROLA)
SN74HC162N (TI)
TC74HC162P (TOSHIBA)
C-MOS PRESETTABLE SYNCHRONOUS 4-BIT BCD COUNTER
— TOP VIEW —


RD(RESET) IN 1
CK(CLOCK) IN 2
A(DATA A) IN 3
B(DATA B) IN 4
C(DATA C) IN 5
D(DATA D) IN 6
EN1(ENABLE 1) IN 7
8 GND
VDD (+2 to +6V) 16
15 CO (CARRY OUT)
14 QA OUT
13 QB OUT
12 QC OUT
11 QD OUT
10 EN2 (ENABLE 2) IN
9 LD (LOAD) IN


9
LD
A
B
C
D
EN1
EN2
RD
QA
QB
QC
QD
CO
3
4
5
6
2
7
10
14
13
12
11
15
1

MODE SELECTION

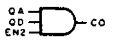
CONTROL INPUTS				MODE
RD	LD	EN1	EN2	
0	X	X	X	RESET (ASYNCHRONOUS)
1	0	X	X	PRESET (SYNCHRONOUS)
1	1	0	X	NO COUNT
1	1	X	0	NO COUNT
1	1	1	1	COUNT

COUNT SEQUENCE

COUNT	OUTPUTS				
	QD	QC	QB	QA	CO
0	0	0	0	0	0
1	0	0	0	1	0
2	0	0	1	0	0
3	0	0	1	1	0
4	0	1	0	0	0
5	0	1	0	1	0
6	0	1	1	0	0
7	0	1	1	1	0
8	1	0	0	0	0
9	1	0	0	1	1

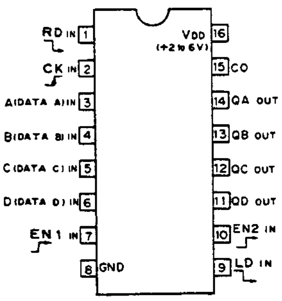
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

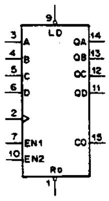
CARRY OUTPUT "CO"



CO IS HIGH WHEN EN2 INPUT IS HIGH AND COUNT IS "9".

HD74HC163P (HITACHI)
MC74HC163N (MOTOROLA)
MSM74HC163RS (OKI)
SN74HC163N (TI)
TC74HC163P (TOSHIBA)
uPD74HC163C (NEC)
C-MOS PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER
— TOP VIEW —


RD IN 1
CK IN 2
A(DATA A) IN 3
B(DATA B) IN 4
C(DATA C) IN 5
D(DATA D) IN 6
EN1 IN 7
8 GND
VDD (+2 to 6V) 16
15 CO
14 QA OUT
13 QB OUT
12 QC OUT
11 QD OUT
10 EN2 IN
9 LD IN


9
LD
A
B
C
D
EN1
EN2
RD
QA
QB
QC
QD
CO
3
4
5
6
2
7
10
14
13
12
11
15
1

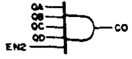
MODE SELECTION

CONTROL INPUTS				MODE
RD	LD	EN1	EN2	
0	X	X	X	RESET (SYNCHRONOUS)
1	0	X	X	PRESET (SYNCHRONOUS)
1	1	0	X	NO COUNT
1	1	X	0	NO COUNT
1	1	1	1	COUNT

COUNT SEQUENCE

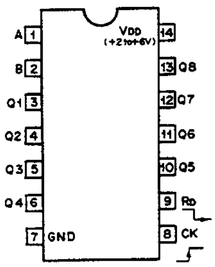
COUNT	OUTPUTS			
	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

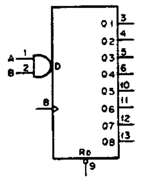
CARRY OUTPUT "CO"


QA
QB
QC
QD
EN2
CO

CO IS HIGH WHEN EN2 INPUT IS HIGH AND COUNT IS "15".

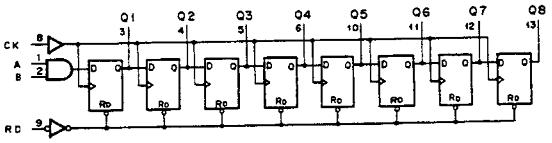
HD74HC164P (HITACHI)
MC74HC164N (MOTOROLA)
SN74HC164N (TI)
TC74HC164P (TOSHIBA)
uPD74HC164C (NEC)
C-MOS 8-BIT SERIAL-IN/PARALLEL-OUT SHIFT REGISTER
— TOP VIEW —


A 1
B 2
Q1 3
Q2 4
Q3 5
Q4 6
7 GND
VDD (+2 to +6V) 14
13 Q8
12 Q7
11 Q6
10 Q5
9 RD
8 CK

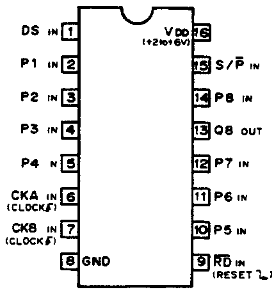

A
B
1
2
D
8
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
3
4
5
6
10
11
12
13
RD
9

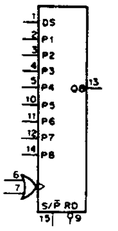
INPUTS				OUTPUTS			
RD	CK	A	B	Q1	Q2	----	Q8
0	X	X	X	0	0	0	0
1	0	X	X	Q1o	Q2o	----	Q8o
1	⤴	1	1	1	Q1n	----	Q7n
1	⤴	0	X	0	Q1n	----	Q7n
1	⤴	X	0	0	Q1n	----	Q7n

0;LOW LEVEL
1;HIGH LEVEL
X;DON'T CARE

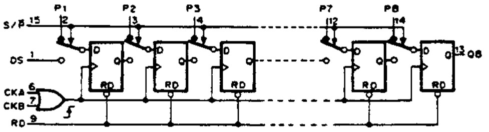

Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
3
4
5
6
10
11
12
13
CK
8
A
B
1
2
RD
9
D
Q
RD

HD74HC166P (HITACHI)
MC74HC166N (MOTOROLA)
SN74HC166N (TI)
TC74HC166P (TOSHIBA)
C-MOS 8-BIT SHIFT REGISTER
— TOP VIEW —


DS IN 1
P1 IN 2
P2 IN 3
P3 IN 4
P4 IN 5
CKA IN (CLOCK) 6
CKB IN (CLOCK) 7
8 GND
VDD (+2 to 6V) 16
15 S/P IN
14 P8 IN
13 Q8 OUT
12 P7 IN
11 P6 IN
10 P5 IN
9 RD IN (RESET)


1
2
3
4
5
10
11
12
14
DS
P1
P2
P3
P4
P5
P6
P7
P8
Q8
13
6
7
S/P
RD
15
9

DS:DATA SERIAL INPUT
P1-P8:DATA PARALLEL INPUT
CK:CLOCK


S/P 15
P1
P2
P3
P7
P8
2
3
4
12
14
DS 1
CKA 6
CKB 7
RD 9
D
Q
RD
Q8
13

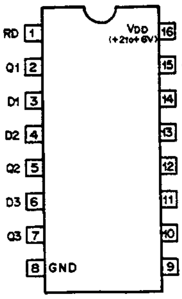
CKA	CKB	CK
0	0	0
X	1	1
1	X	1
1	⤴	1
⤴	1	1
0	⤴	⤴
⤴	0	⤴

INPUT					OUTPUT
RD	S/P	CK	DS	P1-P8	Q8
0	X	X	X	X	0
1	X	0	X	X	Q8o
1	0	⤴	X	1-8	8
1	1	⤴	1	X	Q7n
1	1	⤴	0	X	Q7n
1	X	⤴	X	X	Q8o

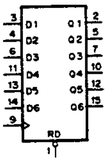
0 ;LOW LEVEL
1 ;HIGH LEVEL
X ;DON'T CARE

IC

HD74HC174P (HITACHI)
MC74HC174N (MOTOROLA)
SN74HC174N (TI)
TC74HC174F (TOSHIBA) FLAT PACKAGE
TC74HC174P (TOSHIBA)
C-MOS D-TYPE FLIP-FLOP WITH RESET
— TOP VIEW —



RD 1
Q1 2
D1 3
D2 4
Q2 5
D3 6
Q3 7
8 GND
VDD (+2 to +6V) 16
15 Q6
14 D6
13 D5
12 Q5
11 D4
10 Q4
9 CK

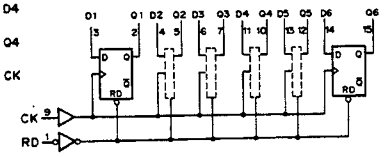


D1
D2
D3
D4
D5
D6
Q1
Q2
Q3
Q4
Q5
Q6
RD

EACH FLIP - FLOP

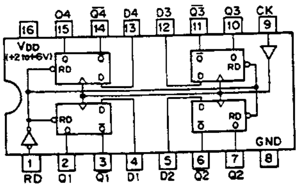
INPUT			OUT
RD	CK	D	Q
0	X	X	0
1	↑	0	0
1	↑	1	1
1	0	X	Qo

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

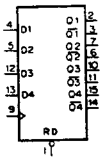


D1
Q1
D2
Q2
D3
Q3
D4
Q4
D5
Q5
D6
Q6
CK
RD

HD74HC175P (HITACHI)
MC74HC175N (MOTOROLA)
MSM74HC175RS (OKI)
SN74HC175N (TI)
SN74HC175NS (TI) FLAT PACKAGE
TC74HC175F (TOSHIBA) FLAT PACKAGE
TC74HC175P (TOSHIBA)
uPD74HC175C (NEC)
C-MOS D-TYPE FLIP-FLOP WITH RESET
— TOP VIEW —



Q4
Q̄4
D4
D3
Q̄3
Q3
CK
VDD (+2 to +6V)
GND
RD
Q1
Q̄1
D1
D2
Q̄2
Q2

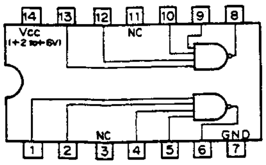


D1
D2
D3
D4
RD

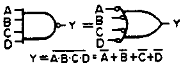
RD	CK	D	Q	Q̄
0	X	X	0	1
1	↑	1	1	0
1	↑	0	0	1
1	0	X	Qo	Q̄o

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

HD74HC20P (HITACHI)
MC74HC20N (MOTOROLA)
MSM74HC20RS (FUJITSU)
SN74HC20N (TI)
TC74HC20F (TOSHIBA) FLAT PACKAGE
TC74HC20P (TOSHIBA)
uPD74HC20C (NEC)
C-MOS 4-INPUT POSITIVE-NAND GATE
— TOP VIEW —



VCC (+2 to +6V)
NC
NC
GND

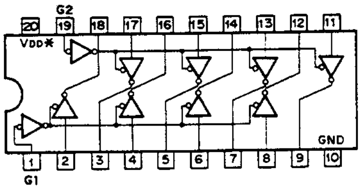


$Y = \overline{A \cdot B \cdot C \cdot D} = \overline{A} + \overline{B} + \overline{C} + \overline{D}$

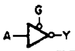
A	B	C	D	Y
0	0	0	0	1
0	0	0	1	1
0	0	1	0	1
0	0	1	1	1
0	1	0	0	1
⋮	⋮	⋮	⋮	⋮
1	1	0	1	1
1	1	1	0	1
1	1	1	1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

HD74HC240P (HITACHI)
HD74HCT240P (HITACHI)
MC74HC240N (MOTOROLA)
MC74HCT240N (MOTOROLA)
MSM74HC240RS (OKI)
SN74HC240N (TI)
SN74HCT240N (TI)
TC74HC240P (TOSHIBA)
TC74HCT240P (TOSHIBA)
uPD74HC240C (NEC)
C-MOS 3-STATE INVERTER/LINE DRIVER
— TOP VIEW —



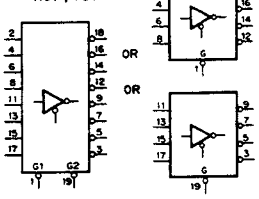
G2
VDD*
GND
G1



G	A	Y
0	0	1
0	1	0
1	X	HI-Z

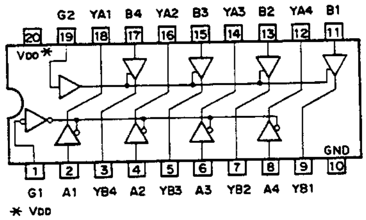
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE

* VDD HC ; +2 to +6V
HCT ; +5V

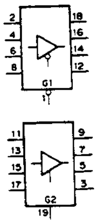


OR
OR
G1
G2
G
G

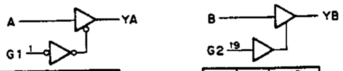
HD74HC241P (HITACHI)
HD74HCT241P (HITACHI)
MC74HC241N (MOTOROLA)
MC74HCT241N (MOTOROLA)
SN74HC241N (TI)
SN74HCT241N (TI)
TC74HC241P (TOSHIBA)
TC74HCT241P (TOSHIBA)
C-MOS 3-STATE NONINVERTING BUFFER/LINE DRIVER/LINE RECEIVER
— TOP VIEW —



G2
YA1
B4
YA2
B3
YA3
B2
YA4
B1
VDD*
GND
G1
A1
YB4
A2
YB3
A3
YB2
A4
YB1



* VDD
HC ; +2 to +6V
HCT ; +5V



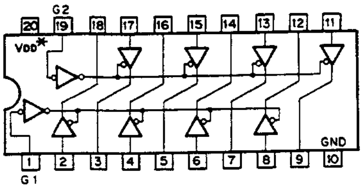
A
YA
G1
B
YB
G2

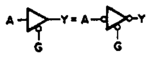
G1	A	YA
0	0	0
0	1	1
1	X	HI-Z

G2	B	YB
1	0	0
1	1	1
0	X	HI-Z

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE

HD74HC244P (HITACHI)
MC74HC244N (MOTOROLA)
MC74HCT244N (MOTOROLA)
MSM74HC244RS (OKI)
SN74HC244N (TI)
SN74HC244NS (TI) FLAT PACKAGE
SN74HCT244N (TI)
TC74HC244F (TOSHIBA) FLAT PACKAGE
TC74HC244P (TOSHIBA)
TC74HCT244P (TOSHIBA)
uPD74HC244C (NEC)
C-MOS BUS BUFFER WITH 3-STATE OUTPUT
— TOP VIEW —

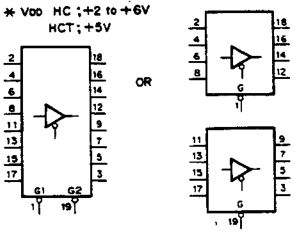

G2
20
19
18
17
16
15
14
13
12
11
VDD*
GND
1
2
3
4
5
6
7
8
9
10
G1



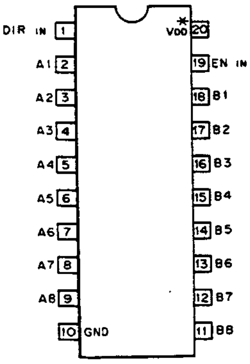
G	A	Y
0	0	0
0	1	1
1	X	HI-Z

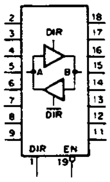
0: LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
HI-Z; HIGH IMPEDANCE

* VDD HC ;+2 to +6V
HCT; +5V


2
4
6
8
11
13
15
17
18
16
14
12
9
7
5
3
G1
G2
1
19
OR
2
4
6
8
18
16
14
12
G
1
11
13
15
17
9
7
5
3
G
19

HD74HC245P (HITACHI)
HD74HCT245P (HITACHI)
MC74HC245N (MOTOROLA)
MC74HCT245N (MOTOROLA)
MSM74HC245RS (OKI)
SN74HC245N (TI)
SN74HC245NS (TI) FLAT PACKAGE
SN74HCT245N (TI)
TC74HC245F (TOSHIBA) FLAT PACKAGE
TC74HC245P (TOSHIBA)
uPD74HC245C (NEC)
uPD74HC245G (NEC) FLAT PACKAGE
C-MOS BILATERAL BUS TRANSCEIVERS WITH 3-STATE OUTPUT
— TOP VIEW —

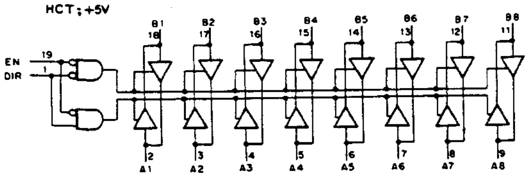

DIR IN 1
A1 2
A2 3
A3 4
A4 5
A5 6
A6 7
A7 8
A8 9
10 GND
VDD* 20
19 EN IN
18 B1
17 B2
16 B3
15 B4
14 B5
13 B6
12 B7
11 B8


2
3
4
5
6
7
8
9
DIR
A
B
DIR
18
17
16
15
14
13
12
11
DIR
EN
1
19

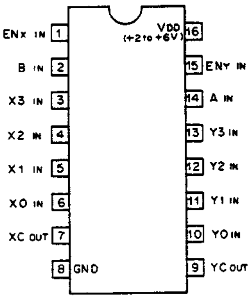
EN	DIR	OPERATION
0	0	B to A
0	1	A to B
1	X	HI - Z

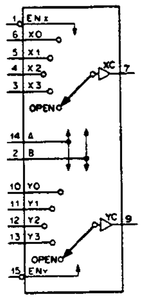
0: LOW LEVEL
1; HIGH LEVEL
X: DON'T CARE
HI-Z; HIGH IMPEDANCE

* VDD HC ; +2 to +6V
HCT; +5V


B1
18
B2
17
B3
16
B4
15
B5
14
B6
13
B7
12
B8
11
EN
19
DIR
1
2
A1
3
A2
4
A3
5
A4
6
A5
7
A6
8
A7
9
A8

HD74HC253P (HITACHI)
MC74HC253N (MOTOROLA)
SN74HC253N (TI)
TC74HC253P (TOSHIBA)
C-MOS 4-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER
— TOP VIEW —

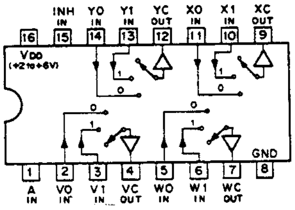

ENx IN 1
B IN 2
X3 IN 3
X2 IN 4
X1 IN 5
X0 IN 6
XC OUT 7
8 GND
VDD (+2 to +6V) 16
15 ENY IN
14 A IN
13 Y3 IN
12 Y2 IN
11 Y1 IN
10 Y0 IN
9 YC OUT

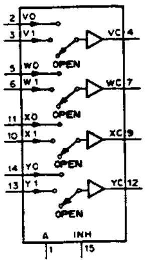

1 ENx
6 X0
5 X1
4 X2
3 X3
XC 7
OPEN
14 A
2 B
10 Y0
11 Y1
12 Y2
13 Y3
YC 9
OPEN
15 ENY

CONTROL IN			ON CHANNEL
EN	B	A	
0	0	0	0
0	0	1	1
0	1	0	2
0	1	1	3
1	X	X	OPEN

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

HD74HC257P (HITACHI)
MC74HC257N (MOTOROLA)
SN74HC257N (TI)
SN74HC257NS (TI) FLAT PACKAGE
TC74HC257F (TOSHIBA) FLAT PACKAGE
TC74HC257P (TOSHIBA)
C-MOS 2-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER
— TOP VIEW —

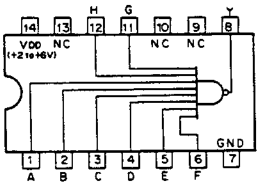

INH IN
Y0 IN
Y1 IN
YC OUT
X0 IN
X1 IN
XC OUT
16
15
14
13
12
11
10
9
VDD (+2 to +6V)
GND
1
2
3
4
5
6
7
8
A IN
V0 IN
V1 IN
VC OUT
W0 IN
W1 IN
WC OUT

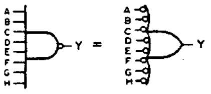

2 V0
3 V1
VC 4
5 W0
OPEN
6 W1
WC 7
11 X0
OPEN
10 X1
XC 9
14 Y0
OPEN
13 Y1
YC 12
OPEN
A
INH
1
15

CONT. IN		ON CHANNEL
INH	A	
0	0	0
0	1	1
1	X	OPEN

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

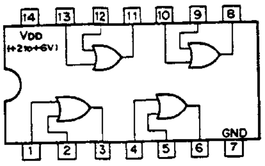
HD74HC30P (HITACHI)
MC74HC30N (MOTOROLA)
MSM74HC30RS (OKI)
SN74HC30N (TI)
SN74HC30NS (TI) FLAT PACKAGE
TC74HC30F (TOSHIBA) FLAT PACKAGE
TC74HC30P (TOSHIBA)
uPD74HC30C (NEC)
C-MOS 8-INPUT POSITIVE-NAND GATE
— TOP VIEW —


H
G
Y
14
13
12
11
10
9
8
VDD NC
(+2 to +6V)
NC NC
GND
1
2
3
4
5
6
7
A
B
C
D
E
F

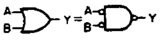

A
B
C
D
E
F
G
H
Y
=
A
B
C
D
E
F
G
H
Y

$$Y = \overline{A\cdot B\cdot C\cdot D\cdot E\cdot F\cdot G\cdot H}$$
$$= \overline{A}+\overline{B}+\overline{C}+\text{-----}+\overline{H}$$

HD74HC32P (HITACHI)
MC74HC32N (MOTOROLA)
SN74HC32N (TI)
SN74HC32NS (TI) FLAT PACKAGE
TC74HC32F (TOSHIBA) FLAT PACKAGE
TC74HC32P (TOSHIBA)
C-MOS 2-INPUT OR GATE
— TOP VIEW —



VDD
(+2 to +6V)
GND
14
13
12
11
10
9
8
1
2
3
4
5
6
7

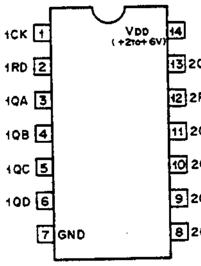


$Y = A + B = \overline{\overline{A} \cdot \overline{B}}$

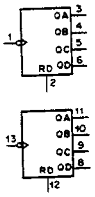
A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

0: LOW LEVEL
1: HIGH LEVEL

HD74HC393P (HITACHI)
MC74HC393N (MOTOROLA)
SN74HC393N (TI)
TC74HC393P (TOSHIBA)
C-MOS 4-BIT BINARY COUNTER
— TOP VIEW —



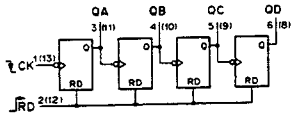
1CK 1
1RD 2
1QA 3
1QB 4
1QC 5
1QD 6
7 GND
VDD (+2 to +6V) 14
13 2CK
12 2RD
11 2QA
10 2QB
9 2QC
8 2QD



1
QA 3
QB 4
QC 5
QD 6
RD 2
13
QA 11
QB 10
QC 9
QD 8
RD 12

COUNT SEQUENCE

COUNT	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1



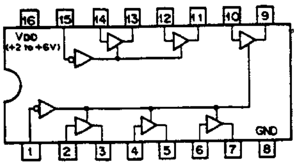
QA 3(11)
QB 4(10)
QC 5(9)
QD 6(8)
CK 1(13)
RD 2(12)
Q
RD

RESET/COUNT FUNCTION

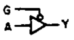
RD	QD	QC	QB	QA
1	0	0	0	0
0	COUNT			

0; LOW LEVEL
1; HIGH LEVEL

HD74HC367P (HITACHI)
MC74HC367F (MOTOROLA) FLAT PACKAGE
MC74HC367N (MOTOROLA)
MN74HC367S (MATSUSHITA) FLAT PACKAGE
SN74HC367N (TI)
SN74HC367NS (TI) FLAT PACKAGE
TC74HC367F (TOSHIBA) FLAT PACKAGE
TC74HC367P (TOSHIBA)
uPD74HC367C (NEC)
uPD74HC367G (NEC) FLAT PACKAGE
C-MOS BUS DRIVER WITH 3-STATE OUTPUTS
— TOP VIEW —

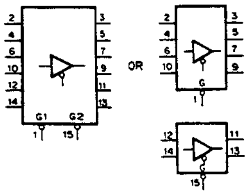


VDD
(+2 to +6V)
GND
16
15
14
13
12
11
10
9
1
2
3
4
5
6
7
8



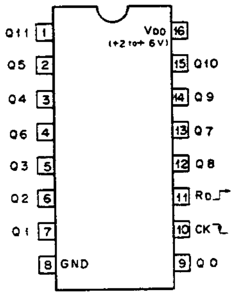
G	A	Y
0	0	0
0	1	1
1	X	HI-Z

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
HI-Z; HIGH IMPEDANCE

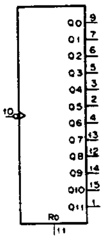


2
4
6
10
12
14
3
5
7
9
11
13
G1
G2
1
15
OR
2
4
6
10
3
5
7
9
G
1
12
14
11
13
G
15

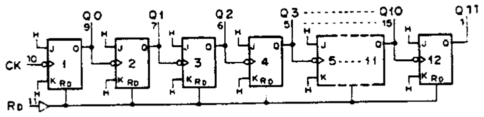
HD74HC4040P (HITACHI)
MC74HC4040N (MOTOROLA)
MSM74HC4040RS (OKI)
SN74HC4040N (TI)
SN74HC4040NS (TI) FLAT PACKAGE
TC74HC4040P (TOSHIBA)
C-MOS 12-STAGE RIPPLE CARRY BINARY COUNTER/DRIVER
— TOP VIEW —



Q11 1
Q5 2
Q4 3
Q6 4
Q3 5
Q2 6
Q1 7
8 GND
VDD (+2 to 6V) 16
15 Q10
14 Q9
13 Q7
12 Q8
11 RD
10 CK
9 Q0



10
Q0 9
Q1 7
Q2 6
Q3 5
Q4 3
Q5 2
Q6 4
Q7 13
Q8 12
Q9 14
Q10 15
Q11 1
RD
11



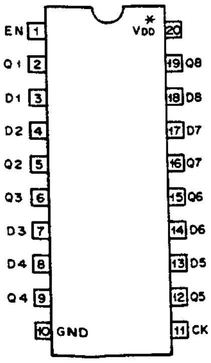
Q0 9
Q1 7
Q2 6
Q3 5
Q10 15
Q11 1
CK 10
RD 11
H
J
K
Q
RD
1
2
3
4
5 ····· 11
12

COUNT	Q11	Q10	Q9	Q8	Q7	Q6	Q5	Q4	Q3	Q2	Q1	Q0
0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	1	0
3	0	0	0	0	0	0	0	0	0	0	1	1
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
4095	1	1	1	1	1	1	1	1	1	1	1	1

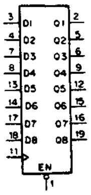
RD	Q11 ········ Q0
1	ALL LOW
0	COUNT

0; LOW LEVEL
1; HIGH LEVEL

HD74HC374P (HITACHI)
HD74HCT374P (HITACHI)
MC74HC374F (MOTOROLA) FLAT PACKAGE
MC74HC374N (MOTOROLA)
MC74HCT374N (MOTOROLA)
MN74HC374S (MATSUSHITA) FLAT PACKAGE
MSM74HC374RS (OKI)
SN74HC374N (TI)
SN74HCT374N (TI)
TC74HC374F (TOSHIBA) FLAT PACKAGE
TC74HC374P (TOSHIBA)
uPD74HC374C (NEC)
uPD74HC374G (NEC) FLAT PACKAGE
C-MOS 3-STATE OCTAL D-TYPE FLIP-FLOP
— TOP VIEW —



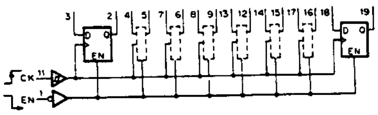
EN 1
Q1 2
D1 3
D2 4
Q2 5
Q3 6
D3 7
D4 8
Q4 9
10 GND
* VDD 20
19 Q8
18 D8
17 D7
16 Q7
15 Q6
14 D6
13 D5
12 Q5
11 CK



3 D1
4 D2
7 D3
8 D4
13 D5
14 D6
17 D7
18 D8
11
Q1 2
Q2 5
Q3 6
Q4 9
Q5 12
Q6 15
Q7 16
Q8 19
EN
1

INPUTS			OUT
EN	D	CK	O
0	1	⎍	1
0	0	⎍	0
0	X	0	Qo
1	X	X	HI-Z

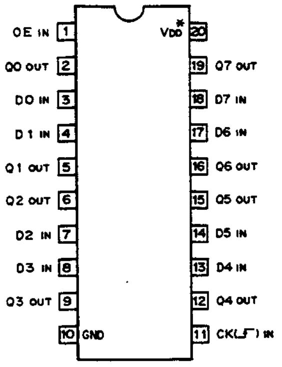
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
HI-Z; HIGH IMPEDANCE

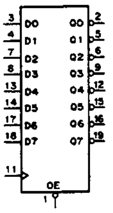


3
2
4
5
7
6
8
9
13
12
14
15
17
16
18
19
D
Q
EN
CK 11
EN 1

*VDD HC; +2 to +6V
HCT; +5V

HD74HC534P (HITACHI)
HD74HCT534P (HITACHI)
MC74HC534N (MOTOROLA)
MC74HCT534N (MOTOROLA)
SN74HC534N (TI)
TC74HC534P (TOSHIBA)
C-MOS 3-STATE INVERTING D-TYPE FLIP-FROP
— TOP VIEW —

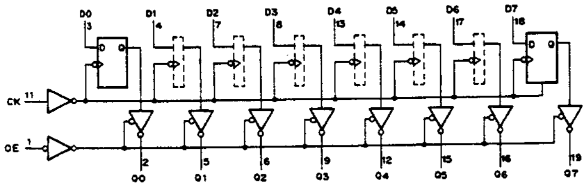

OE IN 1
Q0 OUT 2
D0 IN 3
D1 IN 4
Q1 OUT 5
Q2 OUT 6
D2 IN 7
D3 IN 8
Q3 OUT 9
10 GND
VDD* 20
19 Q7 OUT
18 D7 IN
17 D6 IN
16 Q6 OUT
15 Q5 OUT
14 D5 IN
13 D4 IN
12 Q4 OUT
11 CK IN


D0
D1
D2
D3
D4
D5
D6
D7
Q0
Q1
Q2
Q3
Q4
Q5
Q6
Q7
OE
3
4
7
8
13
14
17
18
2
5
6
9
12
15
16
19
11
1

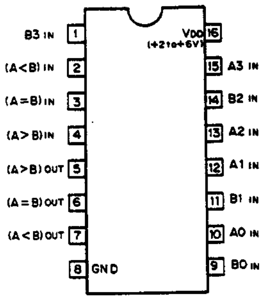
INPUTS			OUTPUT
OE	CK	D	Q
0	⌠	1	0
0	⌠	0	1
0	0,1,⌡	X	NO CHANGE
1	X	X	HI-Z

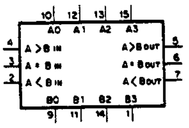
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE

* VDD
HC ; +2 to +6V
HCT ; +5V


D0
D1
D2
D3
D4
D5
D6
D7
CK
OE
Q0
Q1
Q2
Q3
Q4
Q5
Q6
Q7

HD74HC85P (HITACHI)
MC74HC85N (MOTOROLA)
SN74HC85N (TI)
SN74HC85NS (TI) FLAT PACKAGE
TC74HC85F (TOSHIBA) FLAT PACKAGE
TC74HC85P (TOSHIBA)
C-MOS 4-BIT MAGNITUDE COMPARATOR
— TOP VIEW —

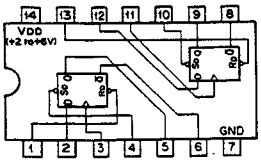

B3 IN 1
(A<B) IN 2
(A=B) IN 3
(A>B) IN 4
(A>B) OUT 5
(A=B) OUT 6
(A<B) OUT 7
8 GND
VDD (+2 to +6V) 16
15 A3 IN
14 B2 IN
13 A2 IN
12 A1 IN
11 B1 IN
10 A0 IN
9 B0 IN


A0
A1
A2
A3
A>B IN
A=B IN
A<B IN
A>B OUT
A=B OUT
A<B OUT
B0
B1
B2
B3

INPUTS								OUTPUTS		
DATA COMPARING					CASCADING					
	A3 , B3	A2 , B2	A1 , B1	A0 , B0	A<B	A=B	A>B	A<B	A=B	A>B
A>B	A3>B3	X	X	X	X	X	X	0	0	1
	A3=B3	A2>B2	X	X						
	A3=B3	A2=B2	A1>B1	X						
	A3=B3	A2=B2	A1=B1	A0>B0						
A=B	A3=B3	A2=B2	A1=B1	A0=B0	0	0	0	1	0	1
					0	0	1	0	0	1
					X	1	X	0	1	0
					1	0	0	1	0	0
					1	0	1	0	0	0
A<B	A3=B3	A2=B2	A1=B1	A0<B0	X	X	X	1	0	0
	A3=B3	A2=B2	A1<B1	X						
	A3=B3	A2<B2	X	X						
	A3<B3	X	X	X						

0 ; LOW LEVEL 1 ; HIGH LEVEL X ; DON'T CARE

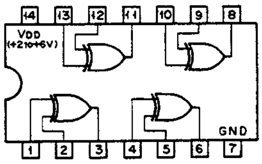
HD74HC74P (HITACHI)
MC74HC74F (MOTOROLA) FLAT PACKAGE
MC74HC74N (MOTOROLA)
MN74HC74S (MATSUSHITA) FLAT PACKAGE
MSM74HC74RS (OKI)
SN74HC74N (TI)
SN74HC74NS (TI) FLAT PACKAGE
TC74HC74F (TOSHIBA) FLAT PACKAGE
TC74HC74P (TOSHIBA)
uPD74HC74C (NEC)
uPD74HC74G (NEC) FLAT PACKAGE
C-MOS D-TYPE FLIP FLOP WITH DIRECT SET/RESET
— TOP VIEW —


14
13
12
11
10
9
8
VDD (+2 to +6V)
GND
1
2
3
4
5
6
7
So
Ro

INPUTS				OUTPUTS	
So	Ro	CK	D	Qn+1	Q̄n+1
0	1	X	X	1	0
1	0	X	X	0	1
0	0	X	X	1*	1*
1	1	⌠	1	1	0
1	1	⌠	0	0	1
1	1	0	X	Qn	Q̄n

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
1* ; NONSTABLE

HD74HC86P (HITACHI)
MC74HC86N (MOTOROLA)
SN74HC86N (TI)
SN74HC86NS (TI) FLAT PACKAGE
TC74HC86F (TOSHIBA) FLAT PACKAGE
TC74HC86P (TOSHIBA)
uPD74HC86C (NEC)
C-MOS EXCLUSIVE OR GATE
— TOP VIEW —

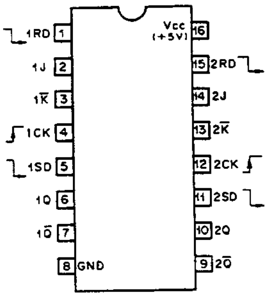

14
13
12
11
10
9
8
VDD (+2 to +6V)
GND
1
2
3
4
5
6
7

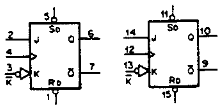
$Y = \overline{A} \cdot B + A \cdot \overline{B}$

A	B	Y
0	0	0
0	1	1
1	0	1
1	1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

HD74LS109AP (HITACHI)
HD74LS109P (HITACHI)
M74LS109AP (MITSUBISHI)
MB74LS109A (FUJITSU)
N74F109N (SIGNETICS)
SN74109N (TI)
SN74ALS109AN (TI)
SN74LS109AN (TI)
TTL J-K FLIP-FLOP WITH DIRECT SET/RESET
— TOP VIEW —

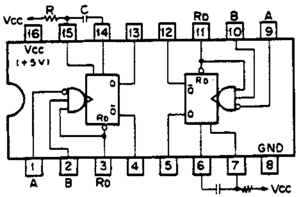

1RD 1
1J 2
1K̄ 3
1CK 4
1SD 5
1Q 6
1Q̄ 7
8 GND
Vcc (+5V) 16
15 2RD
14 2J
13 2K̄
12 2CK
11 2SD
10 2Q
9 2Q̄


So
J
K
Q
Q̄
Ro
K̄
2
4
3
5
1
6
7
14
12
13
11
15
10
9

INPUTS					OUTPUTS	
So	Ro	CK	J	K̄	Qn+1	Q̄n+1
0	1	X	X	X	1	0
1	0	X	X	X	0	1
0	0	X	X	X	1*	1*
1	1	⌠	0	1	Qn	Q̄n
			0	0	0	1
			1	1	1	0
			1	0	Q̄n	Qn
1	1	0	X	X	Qn	Q̄n

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
* ; NONSTABLE

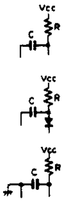
HD74LS123P (HITACHI)
M74LS123P (MITSUBISHI)
MB74LS123 (FUJITSU)
SN74123N (TI)
SN74L123N (TI)
SN74LS123N (TI)
SN74LS123NS (TI) FLAT PACKAGE
TTL RETRIGGERABLE MONOSTABLE MULTIVIBRATOR WITH DIRECT RESET
— TOP VIEW —


Vcc
R
C
RD
B
A
16
15
14
13
12
11
10
9
Vcc
(+5V)
GND
1
2
3
4
5
6
7
8
A
B
RD
C
R
Vcc

INPUTS			OUTPUTS	
RD	A	B	Q	$\bar{Q}$
0	X	X	0	1
X	1	X	0	1
X	X	0	0	1
1	0	↑	⊓	⊔
1	↓	1	⊓	⊔
↑	0	1	⊓	⊔

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

OUTPUT PULSE WIDTH


Vcc
R
C
Vcc
R
C
Vcc
R
C

'123 ; $T_w = 0.28\left(1+\frac{700}{R}\right)CR$

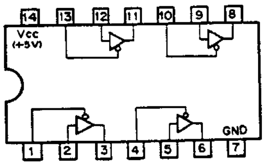
'L123; $T_w = 0.33\left(1+\frac{700}{R}\right)CR$

'123 ; $T_w = 0.25\left(1+\frac{700}{R}\right)CR$

'L123; $T_w = 0.29\left(1+\frac{700}{R}\right)CR$

'LS123; $T_w = 0.45CR$

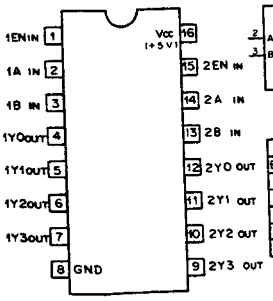
HD74LS125AP (HITACHI)
MB74LS125A (FUJITSU)
SN74125N (TI)
SN74LS125AN (TI)
TTL BUS BUFFER GATES WITH 3-STATE OUTPUT
— TOP VIEW —

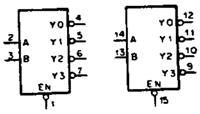

14
13
12
11
10
9
8
Vcc
(+5V)
GND
1
2
3
4
5
6
7

G	A	Y
0	0	0
0	1	1
1	X	HI-Z

0; LOW LEVEL X; DON'T CARE
1; HIGH LEVEL HI-Z; HIGH IMPEDANCE

HD74LS139P (HITACHI)
M74LS139P (MITSUBISHI)
MB74LS139 (FUJITSU)
SN74LS139N (TI)
SN74S139N (TI)
TTL 2-TO-4-LINE DECODER/DEMULTIPLEXER
— TOP VIEW —

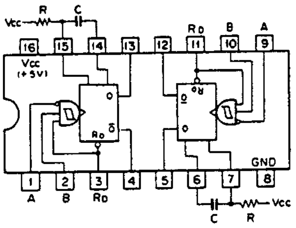

1EN IN 1
1A IN 2
1B IN 3
1Y0 OUT 4
1Y1 OUT 5
1Y2 OUT 6
1Y3 OUT 7
8 GND
Vcc (+5V) 16
15 2EN IN
14 2A IN
13 2B IN
12 2Y0 OUT
11 2Y1 OUT
10 2Y2 OUT
9 2Y3 OUT


2 A
3 B
Y0 4
Y1 5
Y2 6
Y3 7
EN
1
14 A
13 B
Y0 12
Y1 11
Y2 10
Y3 9
EN
15

INPUTS			OUTPUTS			
EN	B	A	Y3	Y2	Y1	Y0
0	0	0	1	1	1	0
0	0	1	1	1	0	1
0	1	0	1	0	1	1
0	1	1	0	1	1	1
1	X	X	1	1	1	1

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

HD74LS221P (HITACHI)
MB74LS221 (FUJITSU)
SN74221N (TI)
SN74LS221N (TI)
SN74LS221NS (TI) FLAT PACKAGE
TTL MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT
— TOP VIEW —

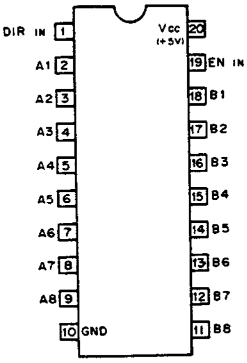

R
C
Vcc
RD
B
A
16
15
14
13
12
11
10
9
Vcc
(+5V)
GND
1
2
3
4
5
6
7
8
A
B
RD
Vcc
C
R

INPUTS			OUTPUTS	
RD	A	B	Q	$\bar{Q}$
0	X	X	0	1
X	1	X	0	1
X	X	0	0	1
1	0	↑	⊓	⊔
1	↓	1	⊓	⊔
↑	0	1	⊓	⊔

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

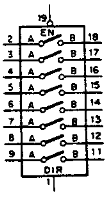
OUTPUT PULSE WIDTH = 0.7CR

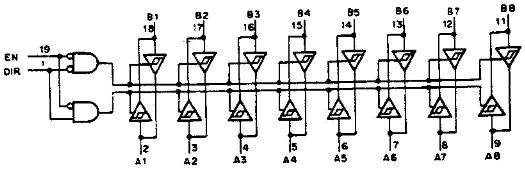
HD74LS245P (HITACHI)
MB74LS245 (FUJITSU)
SN74ALS1245ANS (TI) FLAT PACKAGE
SN74ALS245AN (TI)
SN74ALS245N (TI)
SN74LS245N (TI)
TTL BILATERAL SCHMITT TRIGGER BUS TRANSCEIVERS WITH 3-STATE OUTPUT
— TOP VIEW —


DIR IN 1
A1 2
A2 3
A3 4
A4 5
A5 6
A6 7
A7 8
A8 9
10 GND
Vcc (+5V) 20
19 EN IN
18 B1
17 B2
16 B3
15 B4
14 B5
13 B6
12 B7
11 B8

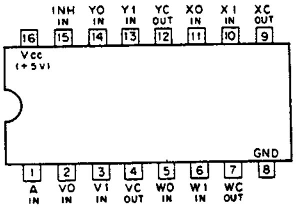
EN	DIR	OPERATION
0	0	B to A
0	1	A to B
1	X	HI-Z

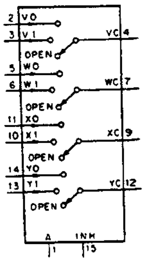
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE.
HI-Z; HIGH IMPEDANCE


19
EN
DIR
1
2
3
4
5
6
7
8
9
A
B
18
17
16
15
14
13
12
11


EN
DIR
19
1
B1
B2
B3
B4
B5
B6
B7
B8
18
17
16
15
14
13
12
11
2
3
4
5
6
7
8
9
A1
A2
A3
A4
A5
A6
A7
A8

HD74LS257P (HITACHI)
M74LS257AP (MITSUBISHI)
SN74ALS257N (TI)
SN74LS257AN (TI)
SN74S257N (TI)
TTL 2-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER
— TOP VIEW —

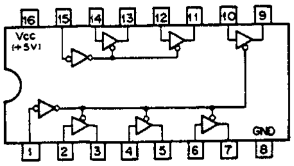

INH IN
Y0 IN
Y1 IN
YC OUT
X0 IN
X1 IN
XC OUT
16
15
14
13
12
11
10
9
Vcc
(+5V)
GND
1
2
3
4
5
6
7
8
A IN
V0 IN
V1 IN
VC OUT
W0 IN
W1 IN
WC OUT

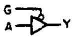

2 V0
3 V1
VC 4
OPEN
5 W0
6 W1
WC 7
OPEN
11 X0
10 X1
XC 9
OPEN
14 Y0
13 Y1
YC 12
OPEN
A
INH
1
15

CONT. IN		ON CHANNEL
INH	A	
0	0	0
0	1	1
1	X	OPEN

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

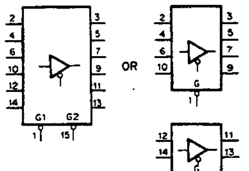
HD74LS367AP (HITACHI)
M74LS367AP (MITSUBISHI)
MB74LS367A (FUJITSU)
SN74367AN (TI)
SN74LS367AN (TI)
SN74LS367ANS (TI) FLAT PACKAGE
TTL BUS DRIVER WITH 3-STATE OUTPUTS
— TOP VIEW —


Vcc
(+5V)
GND
16
15
14
13
12
11
10
9
1
2
3
4
5
6
7
8

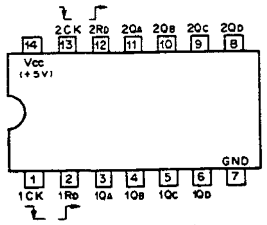


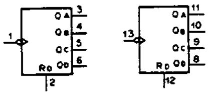
G	A	Y
0	0	0
0	1	1
1	X	HI-Z

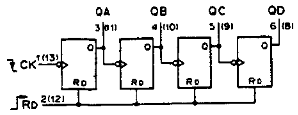
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE


2
4
6
10
12
14
3
5
7
9
11
13
G1
G2
1
15
OR
2
4
6
10
3
5
7
9
G
1
12
14
11
13
G
15

HD74LS393P (HITACHI)
M74LS393P (MITSUBISHI)
MB74LS393 (FUJITSU)
SN74393N (TI)
SN74LS393N (TI)
TTL 4-BIT BINARY COUNTER
— TOP VIEW —


2CK
2RD
2QA
2QB
2QC
2QD
14
13
12
11
10
9
8
Vcc
(+5V)
GND
1
2
3
4
5
6
7
1CK
1RD
1QA
1QB
1QC
1QD


1
QA
QB
QC
QD
3
4
5
6
RD
2
13
QA
QB
QC
QD
11
10
9
8
RD
12


QA
QB
QC
QD
3(11)
4(10)
5(9)
6(8)
CK 1(13)
RD 2(12)
RD
RD
RD
RD

COUNT SEQUENCE

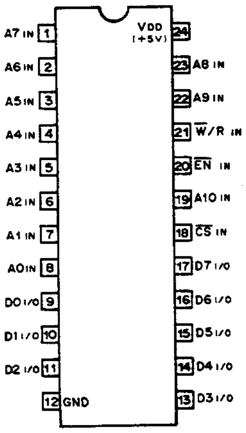
COUNT	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

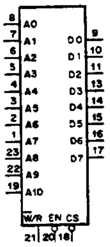
RESET/COUNT FUNCTION

RD	QD	QC	QB	QA
1	0	0	0	0
0	COUNT			

0 ; LOW LEVEL
1 ; HIGH LEVEL

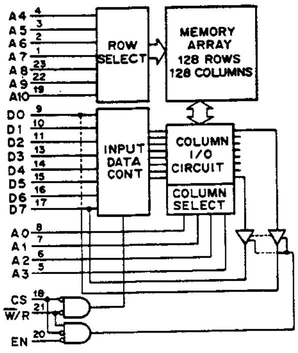
HM6116ALSP-12 (HITACHI) (ACCESS TIME = 120 nS)
HM6116ALSP-15 (HITACHI) (ACCESS TIME = 150 nS)
HM6116ASP-12 (HITACHI) (ACCESS TIME = 120 nS)
HM6116ASP-15 (HITACHI) (ACCESS TIME = 150 nS)
HM6116LFP-2 (HITACHI) (ACCESS TIME = 120 nS) FLAT PACKAGE
HM6116LFP-3 (HITACHI) (ACCESS TIME = 150 nS) FLAT PACKAGE
HM6116LFP-4 (HITACHI) (ACCESS TIME = 200 nS) FLAT PACKAGE
HM6116LP-2 (HITACHI) (ACCESS TIME = 120 nS)
HM6116LP-3 (HITACHI) (ACCESS TIME = 150 nS)
HM6116LP-4 (HITACHI) (ACCESS TIME = 200 nS)
HM6116P-2 (HITACHI) (ACCESS TIME = 120 nS)
HM6116P-3 (HITACHI) (ACCESS TIME = 150 nS)
HM6116P-4 (HITACHI) (ACCESS TIME = 200 nS)
M58725P (MITSUBISHI) (ACCESS TIME = 200 nS)
M5M5117P (MITSUBISHI) (ACCESS TIME = 200 nS)
M5M5117P-12 (MITSUBISHI) (ACCESS TIME = 120 nS)
M5M5117P-15 (MITSUBISHI) (ACCESS TIME = 150 nS)
MB8416A-12P-SK (FUJITSU) (ACCESS TIME = 120 nS)
MB8416A-15 (FUJITSU) (ACCESS TIME = 150 nS)
MB8416A-15P-SK (FUJITSU) (ACCESS TIME = 150nS)
MSM5128-12RS (OKI) (ACCESS TIME = 150 nS)
MSM5128-15RS (OKI) (ACCESS TIME = 150 nS)
MSM5128-20GS (OKI) (ACCESS TIME = 200 nS) FLAT PACKAGE
MSM5128-20RS (OKI) (ACCESS TIME = 200 nS)
TC5517AFL (TOSHIBA) (ACCESS TIME = 250 nS) FLAT PACKAGE
TC5517APL (TOSHIBA) (ACCESS TIME = 250 nS)
C-MOS 16384(2048×8)-BIT HIGH SPEED STATIC RAM
— TOP VIEW —


A7 IN 1
A6 IN 2
A5 IN 3
A4 IN 4
A3 IN 5
A2 IN 6
A1 IN 7
A0 IN 8
D0 I/O 9
D1 I/O 10
D2 I/O 11
12 GND
VDD
(+5V) 24
23 A8 IN
22 A9 IN
21 W/R IN
20 EN IN
19 A10 IN
18 CS IN
17 D7 I/O
16 D6 I/O
15 D5 I/O
14 D4 I/O
13 D3 I/O


8 A0
7 A1
6 A2
5 A3
4 A4
3 A5
2 A6
1 A7
23 A8
22 A9
19 A10
D0 9
D1 10
D2 11
D3 13
D4 14
D5 15
D6 16
D7 17
W/R EN CS
21 20 18

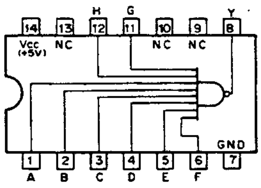
INPUTS			FUNCTION
CS	$\overline{W}$/R	EN	
0	0	X	WRITE
0	1	0	READ
0	1	1	DISABLE (OUTPUT=HI-Z)
1	X	X	DISABLE (OUTPUT=HI-Z)

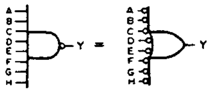
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE


A4 4
A5 3
A6 2
A7 1
A8 23
A9 22
A10 19
ROW SELECT
MEMORY ARRAY
128 ROWS
128 COLUMNS
D0 9
D1 10
D2 11
D3 13
D4 14
D5 15
D6 16
D7 17
INPUT DATA CONT
COLUMN I/O CIRCUIT
COLUMN SELECT
A0 8
A1 7
A2 6
A3 5
CS 18
W/R 21
EN 20

A0 – A10 ; ADDRESS INPUTS
$\overline{W}$/R ; WRITE/READ ENABLE
EN ; OUTPUT ENABLE
CS ; CHIP SELECT
D0 – D7 ; DATA INPUTS/OUTPUTS

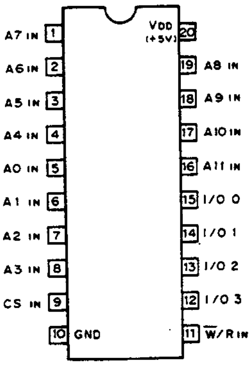
HD74LS30P (HITACHI)
M74LS30P (MITSUBISHI)
MB74LS30 (FUJITSU)
SN7430N (TI)
SN74ALS30AN (TI)
SN74AS30N (TI)
SN74LS30N (TI)
SN74S30N (TI)
TTL 8-INPUT POSITIVE-NAND GATE
— TOP VIEW —

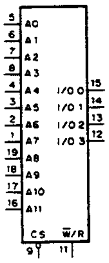

H
G
Y
14
13
12
11
10
9
8
Vcc
(+5V)
NC
NC
NC
GND
1
2
3
4
5
6
7
A
B
C
D
E
F


A
B
C
D
E
F
G
H
Y =
Y

$Y = \overline{A \cdot B \cdot C \cdot D \cdot E \cdot F \cdot G \cdot H}$
$= \overline{A} + \overline{B} + \overline{C} + \cdots + \overline{H}$

HM6168HP-45 (HITACHI) (ACCESS TIME = 45 nS)
HM6168HP-55 (HITACHI) (ACCESS TIME = 55 nS)
HM6168HP-70 (HITACHI) (ACCESS TIME = 70 nS)
MB8168-45 (FUJITSU) (ACCESS TIME = 45 nS)
MB8168-55 (FUJITSU) (ACCESS TIME = 55 nS)
MB8168-55P (FUJITSU) (ACCESS TIME = 55 nS)
MB8168-70 (FUJITSU) (ACCESS TIME = 70 nS)
MB8168-90 (FUJITSU) (ACCESS TIME = 90 nS)
N-MOS 16384-BIT(4096x4) STATIC RAM
— TOP VIEW —

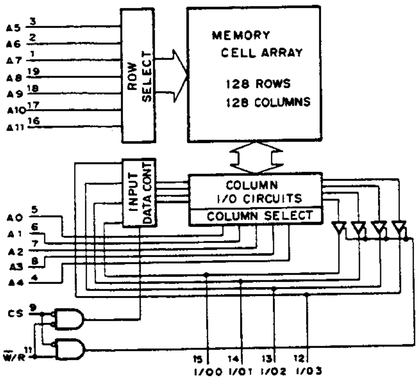

A7 IN 1
A6 IN 2
A5 IN 3
A4 IN 4
A0 IN 5
A1 IN 6
A2 IN 7
A3 IN 8
CS IN 9
10 GND
VDD (+5V) 20
19 A8 IN
18 A9 IN
17 A10 IN
16 A11 IN
15 I/O 0
14 I/O 1
13 I/O 2
12 I/O 3
11 W/R IN


5 A0
6 A1
7 A2
8 A3
4 A4
3 A5
2 A6
1 A7
19 A8
18 A9
17 A10
16 A11
I/O 0 15
I/O 1 14
I/O 2 13
I/O 3 12
CS 9
W/R 11

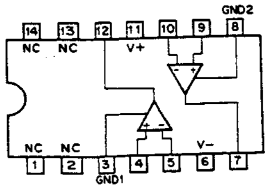
INPUTS		MODE
CS	$\overline{W}$/R	
0	0	WRITE
0	1	READ
1	X	DISABLE (OUTPUT;HI-Z)

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE

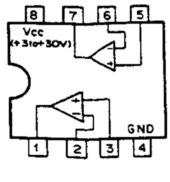
A0~A11 ;ADDRESS INPUTS
I/O0~I/O3;DATA INPUTS/OUTPUTS
CS ;CHIP SELECT INPUT
$\overline{W}$/R ;WRITE/READ ENABLE INPUT


A5 3
A6 2
A7 1
A8 19
A9 18
A10 17
A11 16
ROW SELECT
MEMORY CELL ARRAY
128 ROWS
128 COLUMNS
INPUT DATA CONT
COLUMN I/O CIRCUITS
COLUMN SELECT
A0 5
A1 6
A2 7
A3 8
A4 4
CS 9
W/R 11
15 I/O0
14 I/O1
13 I/O2
12 I/O3

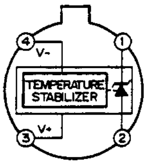
LM319N (NS)
uPC319G2 (NEC) FLAT PACKAGE
VOLTAGE COMPARATOR
— TOP VIEW —


14
13
12
11
10
9
8
GND2
NC
NC
V+
NC
NC
V−
1
2
3
4
5
6
7
GND1

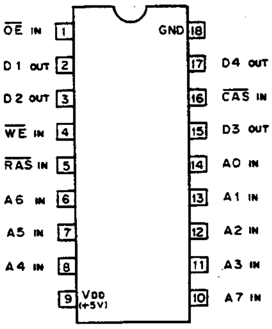
LM358JG (TI)
LM358P (TI)
uPC358C (NEC)
uPC358G (NEC) FLAT PACKAGE
uPC358G2 (NEC) FLAT PACKAGE
DUAL OPERATIONAL AMPLIFIERS
— TOP VIEW —

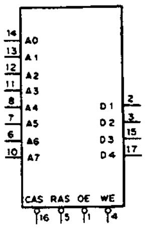

8
7
6
5
Vcc (+3to+30V)
GND
1
2
3
4

LM399H (NS)
TEMPERATURE STABILIZER
— BOTTOM VIEW —


4
V−
1
TEMPERATURE STABILIZER
3
V+
2

MB81464-12 (FUJITSU) (ACCESS TIME = 120nS)
TMS4464-15NL (TI) (ACCESS TIME = 150nS)
uPD41254C-12 (NEC) (ACCESS TIME = 120nS)
uPD41254C-15 (NEC) (ACCESS TIME = 150nS)
uPD41254C-20 (NEC) (ACCESS TIME = 200nS)
uPD41464C-10 (NEC) (ACCESS TIME = 100nS)
uPD41464C-12 (NEC) (ACCESS TIME = 120nS)
uPD41464C-15 (NEC) (ACCESS TIME = 150nS)
uPD41464C-20 (NEC) (ACCESS TIME = 200nS)
N-MOS 262144-BIT (65536x4) DYNAMIC RAM
— TOP VIEW —

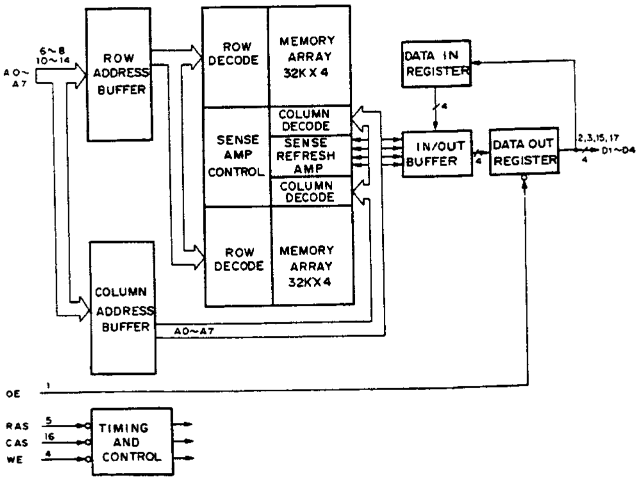

OE IN 1
D1 OUT 2
D2 OUT 3
WE IN 4
RAS IN 5
A6 IN 6
A5 IN 7
A4 IN 8
9 VDD (+5V)
GND 18
17 D4 OUT
16 CAS IN
15 D3 OUT
14 A0 IN
13 A1 IN
12 A2 IN
11 A3 IN
10 A7 IN


14 A0
13 A1
12 A2
11 A3
8 A4
7 A5
6 A6
10 A7
D1 2
D2 3
D3 15
D4 17
CAS 16
RAS 5
OE 1
WE 4

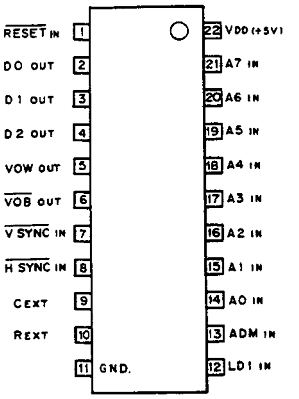
A0~A7 ; ADDRESS INPUT
CAS ; COLUMN ADDRESS STROBE
D1~D4 ; DATA IN/OUT
OE ; OUTPUT ENABLE
RAS ; ROW ADDRESS STROBE
WE ; WRITE ENABLE

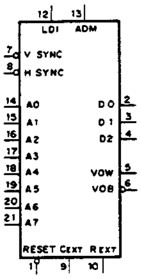
MODE	CONTROL		DATA
	WE	OE	D1~D4
—	0	0	X
WRITE	0	1	DATA IN
READ	1	0	DATA OUT
—	1	1	HI-Z

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE


6~8
10~14
A0~A7
ROW ADDRESS BUFFER
ROW DECODE
MEMORY ARRAY 32KX4
COLUMN DECODE
SENSE AMP CONTROL
SENSE REFRESH AMP
COLUMN DECODE
ROW DECODE
MEMORY ARRAY 32KX4
COLUMN ADDRESS BUFFER
A0~A7
DATA IN REGISTER
4
IN/OUT BUFFER
4
DATA OUT REGISTER
2,3,15,17
D1~D4
4
OE 1
RAS 5
CAS 16
WE 4
TIMING AND CONTROL

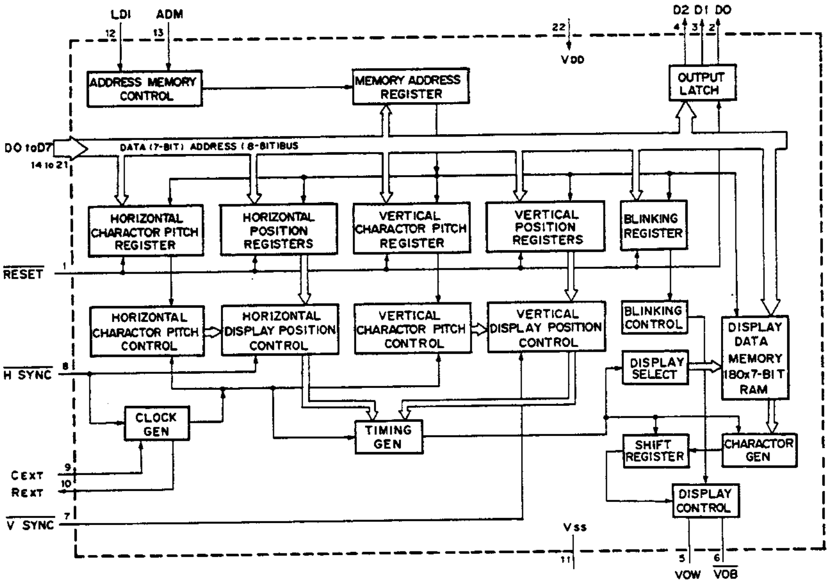
MB88303 (FUJITSU)
N-MOS PROGRAMMABLE TV DISPLAY CONTROLLER
— TOP VIEW —


RESET IN 1
D0 OUT 2
D1 OUT 3
D2 OUT 4
VOW OUT 5
VOB OUT 6
V SYNC IN 7
H SYNC IN 8
CEXT 9
REXT 10
11 GND.
22 VDD (+5V)
21 A7 IN
20 A6 IN
19 A5 IN
18 A4 IN
17 A3 IN
16 A2 IN
15 A1 IN
14 A0 IN
13 ADM IN
12 LD1 IN


12
13
LDI
ADM
7 V SYNC
8 H SYNC
14 A0
15 A1
16 A2
17 A3
18 A4
19 A5
20 A6
21 A7
D0 2
D1 3
D2 4
VOW 5
VOB 6
RESET
CEXT
REXT
1
9
10

b5–b4 \ b3–b0	0000	0001	0010	0011	0100	0101	0110	0111	1000	1001	1010	1011	1100	1101	1110	1111
00	A	B	C	D	E	F	G	H	I	J	K	L	M	·	␣	BLANK
01	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	:	█	(
10	0	1	2	3	4	5	6	7	8	9	?	!	’	.	BACK	)
11	↑	↓	←	→	+	−	*	/	=	&						

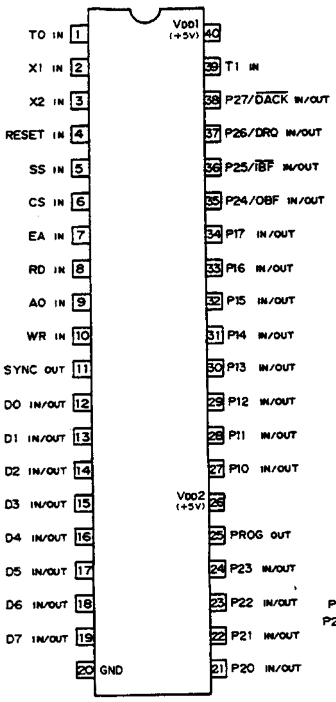
ADM	; ADDRESS INCREMENT MODE
A0 to A7	; ADDRESS INPUT
D0 to D2	; DATA OUTPUT
CEXT	; EXT CAPACITOR FOR OSC
LDI	; LOAD DATA AND INSTRUCTION
VOB	; VIDEO BLACK OUT
VOW	; VIDEO WHITE OUT
REXT	; EXT RESISTOR FOR OSC


LDI
ADM
12
13
22
VDD
D2 D1 D0
4 3 2
ADDRESS MEMORY CONTROL
MEMORY ADDRESS REGISTER
OUTPUT LATCH
D0 to D7
14 to 21
DATA (7-BIT) ADDRESS (8-BIT)BUS
HORIZONTAL CHARACTOR PITCH REGISTER
HORIZONTAL POSITION REGISTERS
VERTICAL CHARACTOR PITCH REGISTER
VERTICAL POSITION REGISTERS
BLINKING REGISTER
RESET
1
HORIZONTAL CHARACTOR PITCH CONTROL
HORIZONTAL DISPLAY POSITION CONTROL
VERTICAL CHARACTOR PITCH CONTROL
VERTICAL DISPLAY POSITION CONTROL
BLINKING CONTROL
DISPLAY DATA MEMORY 180x7-BIT RAM
DISPLAY SELECT
H SYNC
8
CLOCK GEN
TIMING GEN
SHIFT REGISTER
CHARACTOR GEN
DISPLAY CONTROL
CEXT
9
REXT
10
V SYNC
7
VSS
11
5
6
VOW
VOB

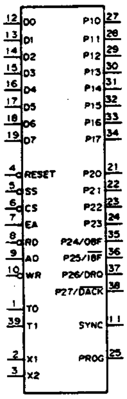
MBL8742H (FUJITSU)

N-MOS SINGLE CHIP 8-BIT MICROCOMPUTER

— TOP VIEW —



TO IN 1
X1 IN 2
X2 IN 3
RESET IN 4
SS IN 5
CS IN 6
EA IN 7
RD IN 8
AO IN 9
WR IN 10
SYNC OUT 11
DO IN/OUT 12
D1 IN/OUT 13
D2 IN/OUT 14
D3 IN/OUT 15
D4 IN/OUT 16
D5 IN/OUT 17
D6 IN/OUT 18
D7 IN/OUT 19
20 GND
VDD1 (+5V) 40
39 T1 IN
38 P27/DACK IN/OUT
37 P26/DRQ IN/OUT
36 P25/IBF IN/OUT
35 P24/OBF IN/OUT
34 P17 IN/OUT
33 P16 IN/OUT
32 P15 IN/OUT
31 P14 IN/OUT
30 P13 IN/OUT
29 P12 IN/OUT
28 P11 IN/OUT
27 P10 IN/OUT
VDD2 (+5V) 26
25 PROG OUT
24 P23 IN/OUT
23 P22 IN/OUT
22 P21 IN/OUT
21 P20 IN/OUT



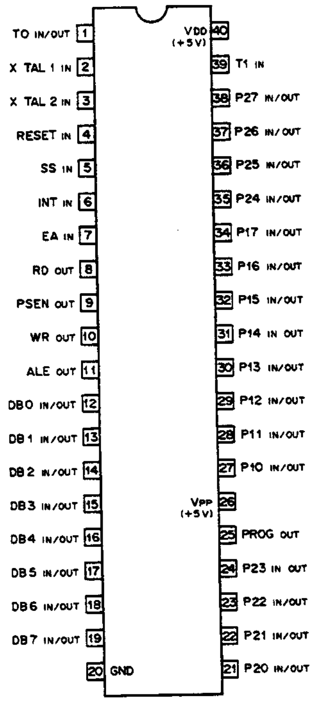
12 DO
13 D1
14 D2
15 D3
16 D4
17 D5
18 D6
19 D7
4 RESET
5 SS
6 CS
7 EA
8 RD
9 AO
10 WR
1 TO
39 T1
2 X1
3 X2
P10 27
P11 28
P12 29
P13 30
P14 31
P15 32
P16 33
P17 34
P20 21
P21 22
P22 23
P23 24
P24/OBF 35
P25/IBF 36
P26/DRQ 37
P27/DACK 38
SYNC 11
PROG 25

DO-D7; DATA INPUTS/OUTPUTS
SS; SINGLE STEP INPUT
CS; CHIP SELECT INPUT
EA; EXTERNAL ADDRESS INPUT
RD; READ STROBE INPUT
AO; ADDRESS 0 INPUT
WR; WRITE STROBE INPUT
TO,T1; TEST INPUTS
X1, X2; CRYSTAL
PROG; STROBE PULSE OUTPUT/PROGRAM PULSE INPUT
P10-P17; INPUT/OUTPUT PORT 1
P20-P27; INPUT/OUTPUT PORT 2
OBF; OUTPUT BUFFER FULL FLAG OUTPUT
$\overline{IBF}$; INPUT BUFFER FULL FLAG OUTPUT
DRQ; DIRECT MEMORY ACCESS REQUEST OUTPUT
$\overline{DACK}$; DIRECT MEMORY ACCESS ACKNOWLEGDE OUTPUT

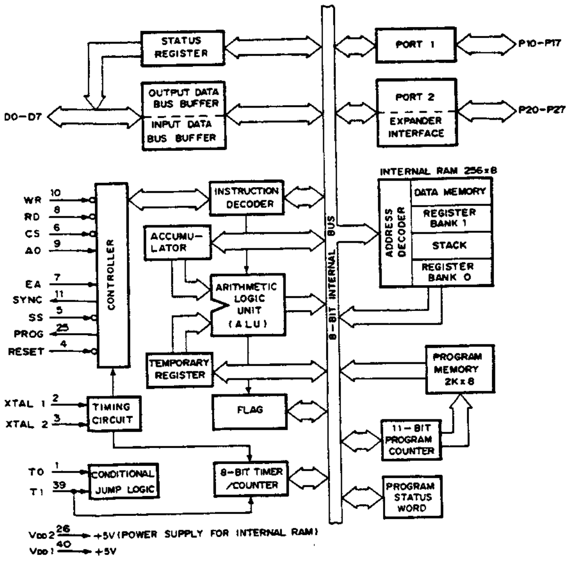
MBL8749H/N (FUJITSU)

N-MOS 8-BIT MICROPROCESSOR

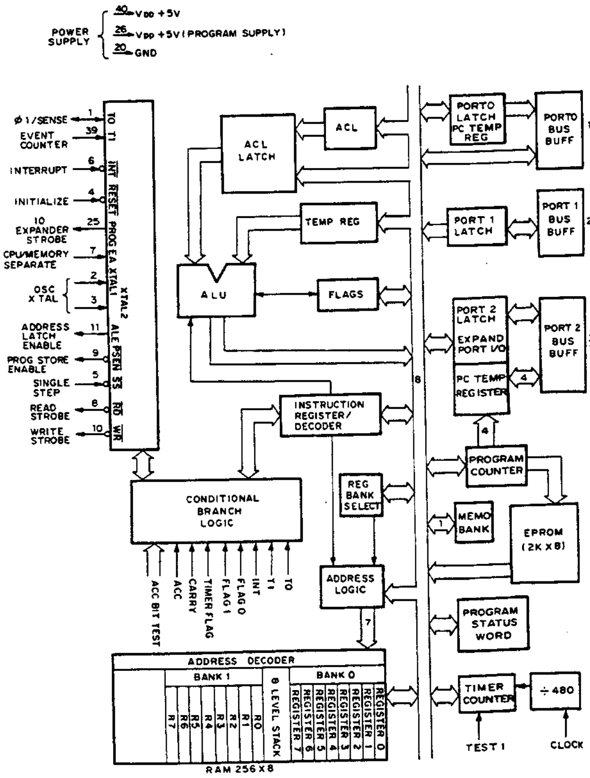
— TOP VIEW —



TO IN/OUT 1
X TAL 1 IN 2
X TAL 2 IN 3
RESET IN 4
SS IN 5
INT IN 6
EA IN 7
RD OUT 8
PSEN OUT 9
WR OUT 10
ALE OUT 11
DB0 IN/OUT 12
DB1 IN/OUT 13
DB2 IN/OUT 14
DB3 IN/OUT 15
DB4 IN/OUT 16
DB5 IN/OUT 17
DB6 IN/OUT 18
DB7 IN/OUT 19
20 GND
VDD (+5V) 40
39 T1 IN
38 P27 IN/OUT
37 P26 IN/OUT
36 P25 IN/OUT
35 P24 IN/OUT
34 P17 IN/OUT
33 P16 IN/OUT
32 P15 IN/OUT
31 P14 IN OUT
30 P13 IN/OUT
29 P12 IN/OUT
28 P11 IN/OUT
27 P10 IN/OUT
VPP (+5V) 26
25 PROG OUT
24 P23 IN OUT
23 P22 IN/OUT
22 P21 IN/OUT
21 P20 IN/OUT

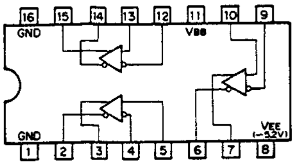


STATUS REGISTER
OUTPUT DATA BUS BUFFER
INPUT DATA BUS BUFFER
DO-D7
PORT 1
P10-P17
PORT 2
EXPANDER INTERFACE
P20-P27
INTERNAL RAM 256×8
DATA MEMORY
REGISTER BANK 1
STACK
REGISTER BANK 0
ADDRESS DECODER
8-BIT INTERNAL BUS
WR 10
RD 8
CS 6
AO 9
EA 7
SYNC 11
SS 5
PROG 25
RESET 4
CONTROLLER
INSTRUCTION DECODER
ACCUMU-LATOR
ARITHMETIC LOGIC UNIT (ALU)
TEMPORARY REGISTER
FLAG
PROGRAM MEMORY 2K×8
11-BIT PROGRAM COUNTER
XTAL 1 2
XTAL 2 3
TIMING CIRCUIT
TO 1
T1 39
CONDITIONAL JUMP LOGIC
8-BIT TIMER /COUNTER
PROGRAM STATUS WORD
VDD2 26 +5V (POWER SUPPLY FOR INTERNAL RAM)
VDD1 40 +5V

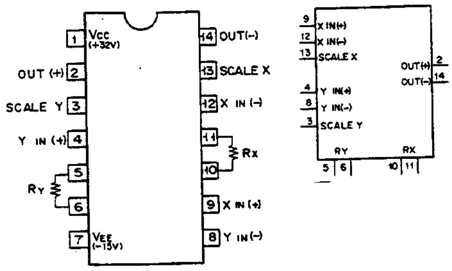


POWER SUPPLY
40 VDD +5V
26 VPP +5V (PROGRAM SUPPLY)
20 GND
φ1/SENSE 1
EVENT COUNTER 39
INTERRUPT 6
INITIALIZE 4
EXPANDER STROBE 10 25
CPU/MEMORY SEPARATE 7
OSC X TAL 2 3
ADDRESS LATCH ENABLE 11
PROG STORE ENABLE 9
SINGLE STEP 5
READ STROBE 8
WRITE STROBE 10
TO T1 INT RESET PROG EA XTAL1 XTAL2 ALE PSEN SS RD WR
ACL LATCH
ACL
TEMP REG
ALU
FLAGS
INSTRUCTION REGISTER/ DECODER
CONDITIONAL BRANCH LOGIC
ACC BIT TEST
ACC
CARRY
TIMER FLAG
FLAG 0
FLAG 1
INT
T1
TO
REG BANK SELECT
ADDRESS LOGIC
7
8
ADDRESS DECODER
BANK 1
R7 R6 R5 R4 R3 R2 R1 R0
8 LEVEL STACK
BANK 0
REGISTER 7 REGISTER 6 REGISTER 5 REGISTER 4 REGISTER 3 REGISTER 2 REGISTER 1 REGISTER 0
RAM 256×8
PORT0 LATCH
PC TEMP REG
PORT0 BUS BUFF
12~19
PORT 1 LATCH
PORT 1 BUS BUFF
27~34
PORT 2 LATCH
EXPAND PORT I/O
PC TEMP REGISTER
PORT 2 BUS BUFF
21~24 35~38
4
PROGRAM COUNTER
MEMO BANK
EPROM (2K×8)
PROGRAM STATUS WORD
TIMER COUNTER
÷480
TEST 1
CLOCK

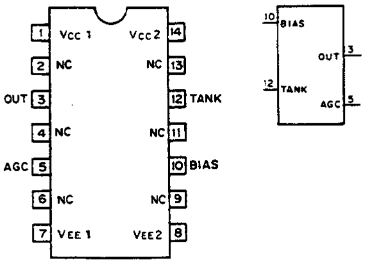
MC10216L (MOTOROLA)
ECL HIGH SPEED LINE RECEIVER
— TOP VIEW —


16
15
14
13
12
11
10
9
GND
VBB
GND
VEE (−5.2V)
1
2
3
4
5
6
7
8

MC1595L (MOTOROLA)
LINEAR MULTIPLIER
— TOP VIEW —

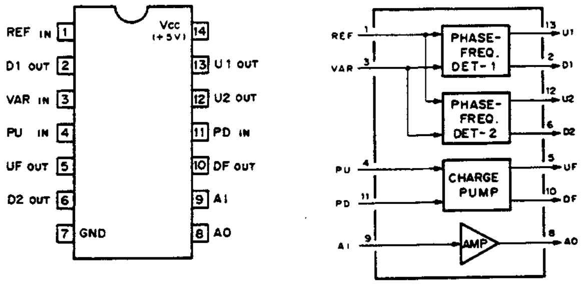

Vcc (+32V)
OUT (+)
SCALE Y
Y IN (+)
RY
VEE (−15V)
OUT(−)
SCALE X
X IN (−)
RX
X IN (+)
Y IN(−)
X IN(+)
X IN(−)
SCALE X
Y IN(+)
Y IN(−)
SCALE Y
OUT(+)
OUT(−)
RY
RX

MC1648P (MOTOROLA)
ECL VOLTAGE CONTROLLED OSCILLATOR
— TOP VIEW —


Vcc 1
Vcc2
NC
OUT
TANK
NC
AGC
BIAS
VEE 1
VEE2
BIAS
TANK
OUT
AGC

Supply Voltage	Supply Pins	GND Pins
+5.0Vdc	1,14	7,8
−5.2Vdc	7,8	1,14

MC4044P (MOTOROLA)
uPC1008C (NEC)
PHASE-FREQUENCY DETECTOR
— TOP VIEW —


REF IN
D1 OUT
VAR IN
PU IN
UF OUT
D2 OUT
GND
Vcc (+5V)
U1 OUT
U2 OUT
PD IN
DF OUT
AI
AO
PHASE-FREQ. DET-1
PHASE-FREQ. DET-2
CHARGE PUMP
AMP

REF	; REFERENCE IN
VAR	; VARIABLE IN
U1	; UP OUT 1
D1	; DOWN OUT 1
U2	; UP OUT 2
D2	; DOWN OUT 2
PU	; CHARGE PUMP UP IN
PD	; CHARGE PUMP DOWN IN
UF	; CHARGE PUMP UP OUT
DF	; CHARGE PUMP DOWN OUT
AI	; FILTER AMP IN
AO	; FILTER AMP OUT

PHASE FREQ. DET-1
FALLING EDGE SENSING TYPE

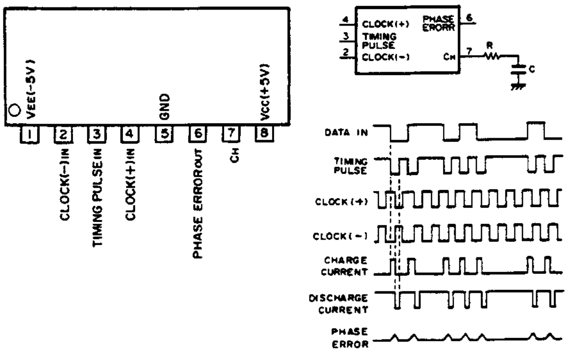
INPUTS	OUTPUTS	
	U1	D1
fv = fR Øv = ØR	1	1
fv < fR Øv lags ØR	0	1
fv > fR Øv leads ØR	1	0

PHASE FREQ. DET-2
FOR 50% DUTY CYCLES

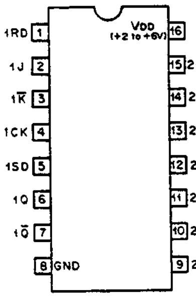
INPUTS		OUTPUTS	
REF	VAR	U2	D2
0	0	1	1
0	1	1	1
1	0	0	1
1	1	1	0

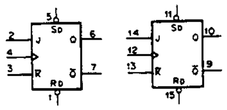
0 ; LOW LEVEL
1 ; HIGH LEVEL

MC5400 (SONY)
CHARGE PUMP FOR PLL
— PRINTED SIDE VIEW —


VEE(−5V)
GND
Vcc(+5V)
CLOCK(−)IN
TIMING PULSE IN
CLOCK(+)IN
PHASE ERROR OUT
CH
CLOCK(+)
TIMING PULSE
CLOCK(−)
PHASE ERROR
CH
R
C
DATA IN
TIMING PULSE
CLOCK (+)
CLOCK (−)
CHARGE CURRENT
DISCHARGE CURRENT
PHASE ERROR

MC74HC109N (MOTOROLA)
SN74HC109N (TI)
TC74HC109P (TOSHIBA)
C-MOS J-K FLIP-FLOP WITH DIRECT SET/RESET
— TOP VIEW —

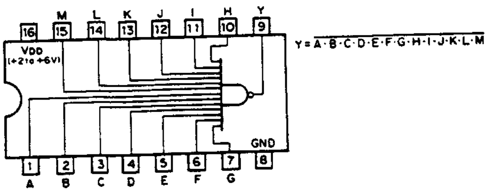

1RD
1J
1K̄
1CK
1SD
1Q
1Q̄
GND
VDD (+2 to +6V)
2RD
2J
2K̄
2CK
2SD
2Q
2Q̄



INPUTS					OUTPUTS	
SD	RD	CK	J	$\overline{K}$	Qn+1	$\overline{Qn+1}$
0	1	X	X	X	1	0
1	0	X	X	X	0	1
0	0	X	X	X	1 *	1 *
1	1	↑	0	1	Qn	$\overline{Qn}$
			0	0	0	1
			1	1	1	0
			1	0	$\overline{Qn}$	Qn
1	1	0	X	X	Qn	$\overline{Qn}$

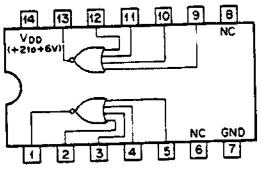
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
* ; NONSTABLE

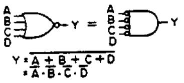
MC74HC133N (MOTOROLA)
SN74HC133N (TI)
TC74HC133P (TOSHIBA)
C-MOS 13-INPUT NAND GATE
— TOP VIEW —


M L K J I H Y
16 15 14 13 12 11 10 9
VDD (+2to+6V)
GND
1 2 3 4 5 6 7 8
A B C D E F G

$Y=\overline{A\cdot B\cdot C\cdot D\cdot E\cdot F\cdot G\cdot H\cdot I\cdot J\cdot K\cdot L\cdot M}$

MC74HC4002N (MOTOROLA)
SN74HC4002N (TI)
TC74HC4002P (TOSHIBA)
C-MOS 4-INPUT NOR GATE
— TOP VIEW —


14 13 12 11 10 9 8
VDD (+2to+6V)
NC
NC GND
1 2 3 4 5 6 7

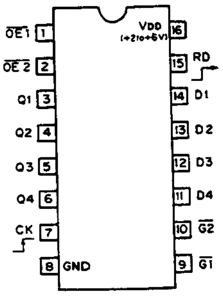

A B C D
Y
A B C D
Y

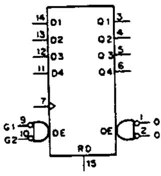
$Y=\overline{A+B+C+D}$
$=\overline{A}\cdot\overline{B}\cdot\overline{C}\cdot\overline{D}$

A	B	C	D	Y
0	0	0	0	1
X	X	X	1	0
X	X	1	X	0
X	1	X	X	0
1	X	X	X	0

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

MC74HC173N (MOTOROLA)
SN74HC173N (TI)
TC74HC173P (TOSHIBA)
C-MOS 4-BIT D-TYPE REGISTERS WITH 3-STATE OUTPUT
— TOP VIEW —


OE1 1
OE2 2
Q1 3
Q2 4
Q3 5
Q4 6
CK 7
8 GND
VDD (+2to+6V) 16
15 RD
14 D1
13 D2
12 D3
11 D4
10 G2
9 G1

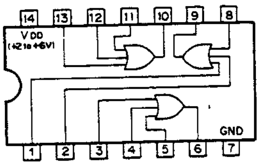

14 D1
13 D2
12 D3
11 D4
7
G1 9
G2 10
OE
RD
15
Q1 3
Q2 4
Q3 5
Q4 6
OE
1 OE1
2 OE2

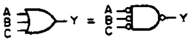
D1 – D4 ; DATA INPUT
Q1 – Q4 ; OUTPUT (3-STATE)
$\overline{G1}$, $\overline{G2}$; DATA ENABLE INPUT
$\overline{OE1}$, $\overline{OE2}$; OUTPUT ENABLE INPUT

INPUT							OUTPUT
RD	CK	DATA IN		D	OUTPUT EN		Q
		$\overline{G1}$	$\overline{G2}$		$\overline{OE1}$	$\overline{OE2}$	
1	X	X	X	X	0	0	0
0	0	X	X	X	0	0	Q0
0	⎍	1	X	X	0	0	Q0
0	⎍	X	1	X	0	0	Q0
0	⎍	0	0	0	0	0	0
0	⎍	0	0	1	0	0	1
X	X	X	X	X	1	X	HI-Z
X	X	X	X	X	X	1	HI-Z

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE
Q0 ; LEVEL OF Q BEFORE THE INDICATED INPUT CONDITIONS WERE STABLISHED

MC74HC4075N (MOTOROLA)
SN74HC4075N (TI)
TC74HC4075P (TOSHIBA)
C-MOS 3-INPUT OR GATE
— TOP VIEW —


14 13 12 11 10 9 8
VDD (+2to+6V)
GND
1 2 3 4 5 6 7

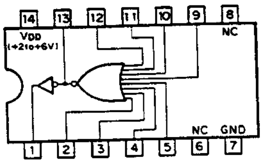


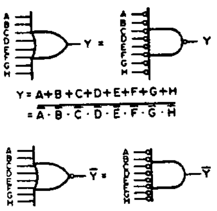
$Y=A+B+C=\overline{\overline{A}\cdot\overline{B}\cdot\overline{C}}$

C	B	A	Y
0	0	0	0
X	X	1	1
X	1	X	1
1	X	X	1

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

MC74HC4078N (MOTOROLA)
SN74HC4078AN (TI)
TC74HC4078P (TOSHIBA)
C-MOS 8-INPUT OR/NOR GATE
— TOP VIEW —


14 13 12 11 10 9 8
VDD (+2to+6V)
NC
NC GND
1 2 3 4 5 6 7


A B C D E F G H
Y
A B C D E F G H
Y
A B C D E F G H
Ȳ
A B C D E F G H
Ȳ

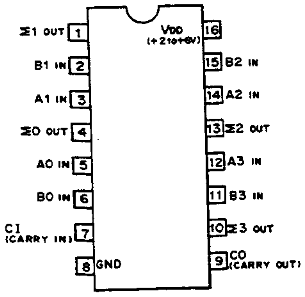
$Y=A+B+C+D+E+F+G+H$
$=\overline{\overline{A}\cdot\overline{B}\cdot\overline{C}\cdot\overline{D}\cdot\overline{E}\cdot\overline{F}\cdot\overline{G}\cdot\overline{H}}$

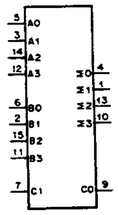
$\overline{Y}=\overline{A+B+C+D+E+F+G+H}$
$=\overline{A}\cdot\overline{B}\cdot\overline{C}\cdot\overline{D}\cdot\overline{E}\cdot\overline{F}\cdot\overline{G}\cdot\overline{H}$

A	B	C	D	E	F	G	H	Y	$\overline{Y}$
0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	1	0
0	0	0	0	0	0	1	0	1	0
0	0	0	0	0	0	1	1	1	0
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	1	0
1	1	1	1	1	1	1	0	1	0
1	1	1	1	1	1	1	1	1	0

0; LOW LEVEL
1; HIGH LEVEL

MC74HC283N (MOTOROLA)
TC74HC283P (TOSHIBA)
C-MOS 4-BIT FULL ADDER
— TOP VIEW —


Σ1 OUT 1
B1 IN 2
A1 IN 3
Σ0 OUT 4
A0 IN 5
B0 IN 6
CI (CARRY IN) 7
8 GND
VDD (+2to+6V) 16
15 B2 IN
14 A2 IN
13 Σ2 OUT
12 A3 IN
11 B3 IN
10 Σ3 OUT
9 CO (CARRY OUT)


5 A0
3 A1
14 A2
12 A3
6 B0
2 B1
15 B2
11 B3
7 CI
Σ0 4
Σ1 1
Σ2 13
Σ3 10
CO 9

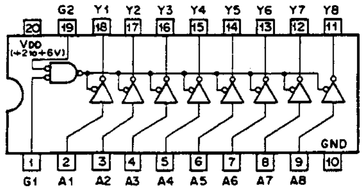
	2^4	2^3	2^2	2^1	2^0	DIGIT
					CI	CARRY IN
		A3	A2	A1	A0	DATA A IN
+)		B3	B2	B1	B0	DATA B IN
	CO	Σ3	Σ2	Σ1	Σ0	CARRY& SUM OUT

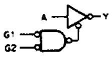
EX.					1	CI
		1	0	1	1	A
+)		1	0	1	0	B
	1	0	1	1	0	OUTPUTS
	CO	Σ3	Σ2	Σ1	Σ0	

MC74HC540N (MOTOROLA)
SN74HC540N (TI)

C-MOS 3-STATE INVERTING BUFFER/LINE DRIVER/LINE RECEIVER

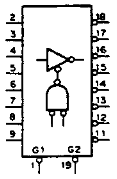
— TOP VIEW —


G2
Y1
Y2
Y3
Y4
Y5
Y6
Y7
Y8
VDD (+2 to +6V)
GND
G1
A1
A2
A3
A4
A5
A6
A7
A8



G1	G2	A	Y
0	0	0	1
0	0	1	0
1	X	X	HI-Z
X	1	X	HI-Z

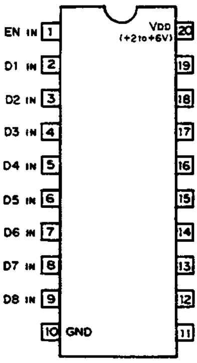
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE

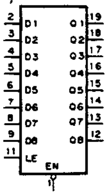


MC74HC573N (MOTOROLA)
SN74HC573N (TI)
TC74HC573F (TOSHIBA) FLAT PACKAGE
TC74HC573P (TOSHIBA)

C-MOS 3-STATE OUTPUTS OCTAL LATCHES

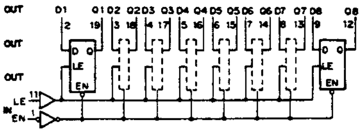
— TOP VIEW —


EN IN
D1 IN
D2 IN
D3 IN
D4 IN
D5 IN
D6 IN
D7 IN
D8 IN
GND
VDD (+2 to +6V)
Q1 OUT
Q2 OUT
Q3 OUT
Q4 OUT
Q5 OUT
Q6 OUT
Q7 OUT
Q8 OUT
LE IN



INPUTS			OUT
EN	LE	D	Q
0	1	1	1
0	1	0	0
0	0	X	Qo
1	X	X	HI-Z

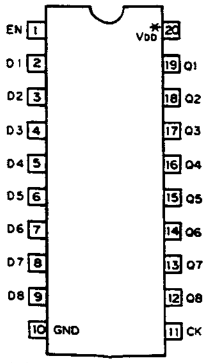
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE

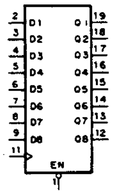

D1
Q1
D2
Q2
D3
Q3
D4
Q4
D5
Q5
D6
Q6
D7
Q7
D8
Q8
LE
EN

MC74HC574N (MOTOROLA)
MSM74HC574RS (OKI)
SN74HC574N (TI)
SN74HCT574N (TI)
TC74HC574F (TOSHIBA) FLAT PACKAGE
TC74HC574P (TOSHIBA)
TC74HCT574P (TOSHIBA)
uPD74HC574C (NEC)

C-MOS 3-STATE D-TYPE EDGE-TRIGGERED FLIP-FLOP

— TOP VIEW —

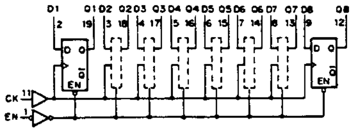

EN
D1
D2
D3
D4
D5
D6
D7
D8
GND
VDD*
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
CK



EACH FLIP-FLOP

INPUTS			OUT
EN	CK	D	Q
0	↑	1	1
0	↑	0	0
0	0	X	Qo
1	X	X	HI-Z

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE

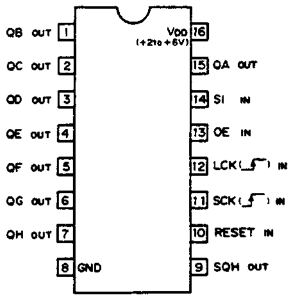

D1
Q1
D2
Q2
D3
Q3
D4
Q4
D5
Q5
D6
Q6
D7
Q7
D8
Q8
CK
EN

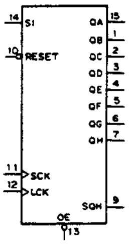
* VDD HC ; +2 to +6V
HCT ; +5V

MC74HC595N (MOTOROLA)
TC74HC595P (TOSHIBA)

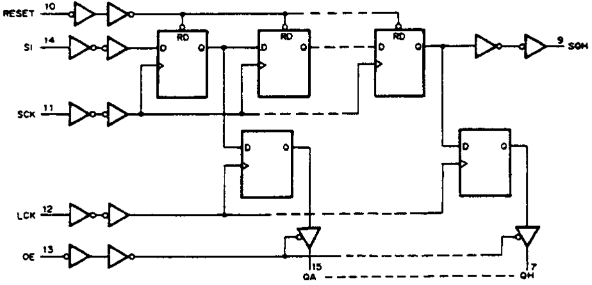
C-MOS 8-BIT SERIAL-INPUT/SERIAL- OR PARALLEL-OUTPUT SHIFT REGISTER WITH LATCHED 3-STATE OUTPUT

— TOP VIEW —


QB OUT
QC OUT
QD OUT
QE OUT
QF OUT
QG OUT
QH OUT
GND
VDD (+2 to +6V)
QA OUT
SI IN
OE IN
LCK IN
SCK IN
RESET IN
SQH OUT


SI
RESET
QA
QB
QC
QD
QE
QF
QG
QH
SCK
LCK
SQH
OE

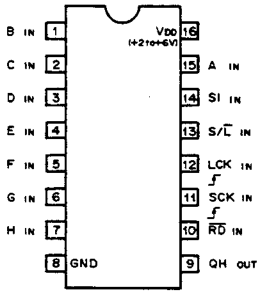
OE ; OUTPUT ENABLE INPUT
LCK ; LATCH CLOCK INPUT
SCK ; SHIFT CLOCK INPUT
RESET ; SHIFT-REGISTER RESET INPUT
SI ; SERIAL IN
QA-QH ; PARALLEL OUTPUTS
SQH ; SERIAL OUT

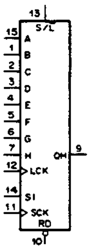

RESET
SI
SCK
LCK
OE
RD
D
Q
SQH
QA
QH

MC74HC597N (MOTOROLA)
TC74HC597P (TOSHIBA)

CMOS 8-BIT LATCH/SHIFT REGISTER

— TOP VIEW —

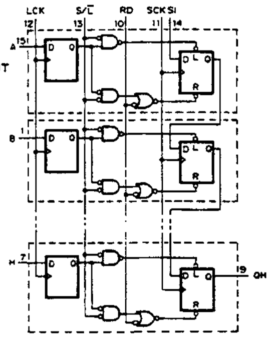

B IN
C IN
D IN
E IN
F IN
G IN
H IN
GND
VDD (+2 to +6V)
A IN
SI IN
S/L̄ IN
LCK IN
SCK IN
RD̄ IN
QH OUT


S/L̄
A
B
C
D
E
F
G
H
QH
LCK
SI
SCK
RD

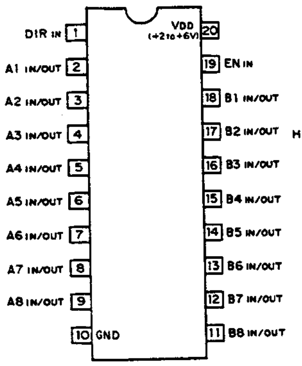
SI ; SERIAL DATA INPUT
S/L̄ ; SERIAL SHIFT/PARALLEL LOAD INPUT
LCK ; LATCH CLOCK INPUT
SCK ; SHIFT CLOCK INPUT
RD ; RESET INPUT
A-H ; PARALLEL DATA INPUTS

INPUTS						OUTPUT
RD	LD	LCK	SCK	SI	A-H	QH
0	X	X	X	X	X	0
1	1	↑	0,1,↓	X	a-h	NO CHANGE
1	0	↑	X	X	a-h	h
1	1	X	↑	X	X	QGn

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
a-h ; DATA AT INPUTS A-H, RESPECTIVELY

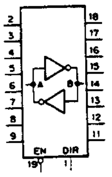

LCK
S/L̄
RD
SCK
SI
A
B
H
D
Q
L
R
QH

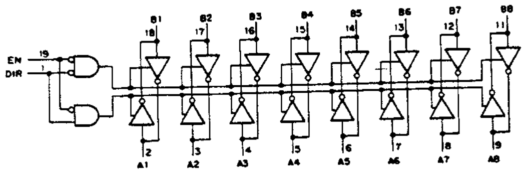
MC74HC640N (MOTOROLA)
SN74HC640N (TI)
TC74HC640P (TOSHIBA)
C-MOS 3-STATE INVERTING BUS TRANSCEIVER
— TOP VIEW —


DIR IN 1
A1 IN/OUT 2
A2 IN/OUT 3
A3 IN/OUT 4
A4 IN/OUT 5
A5 IN/OUT 6
A6 IN/OUT 7
A7 IN/OUT 8
A8 IN/OUT 9
10 GND
VDD (+2 to +6V) 20
19 EN IN
18 B1 IN/OUT
17 B2 IN/OUT
16 B3 IN/OUT
15 B4 IN/OUT
14 B5 IN/OUT
13 B6 IN/OUT
12 B7 IN/OUT
11 B8 IN/OUT

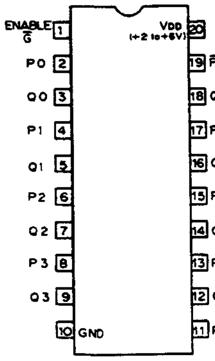
EN	DIR	OPERATION
0	0	B to A
0	1	A to B
1	X	HI - Z

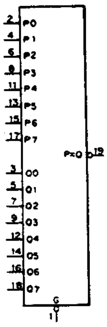
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE

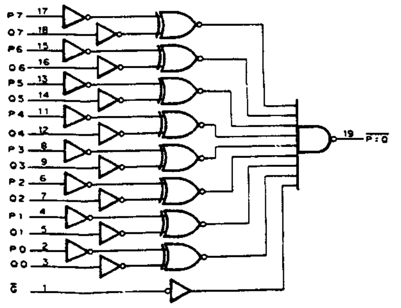

2
3
4
5
6
7
8
9
18
17
16
15
14
13
12
11
A
B
EN
DIR
19
1


EN 19
DIR 1
B1 18
B2 17
B3 16
B4 15
B5 14
B6 13
B7 12
B8 11
2 A1
3 A2
4 A3
5 A4
6 A5
7 A6
8 A7
9 A8

MC74HC688N (MOTOROLA)
MSM74HC688RS (OKI)
SN74HC688N (TI)
TC74HC688P (TOSHIBA)
uPD74HC688C (NEC)
C-MOS 8-BIT MAGNITUDE COMPARATOR
— TOP VIEW —


ENABLE $\overline{G}$ 1
P0 2
Q0 3
P1 4
Q1 5
P2 6
Q2 7
P3 8
Q3 9
10 GND
VDD (+2 to +6V) 20
19 $\overline{P=Q}$
18 Q7
17 P7
16 Q6
15 P6
14 Q5
13 P5
12 Q4
11 P4

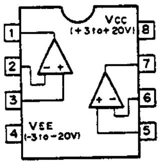

2 P0
4 P1
6 P2
8 P3
11 P4
13 P5
15 P6
17 P7
3 Q0
5 Q1
7 Q2
9 Q3
12 Q4
14 Q5
16 Q6
18 Q7
P=Q 19
G
1


P7 17
Q7 18
P6 15
Q6 16
P5 13
Q5 14
P4 11
Q4 12
P3 8
Q3 9
P2 6
Q2 7
P1 4
Q1 5
P0 2
Q0 3
$\overline{G}$ 1
19 $\overline{P=Q}$

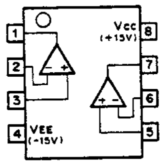
INPUTS		OUTPUT
P,Q	$\overline{G}$	$\overline{P=Q}$
P=Q	0	0
P>Q	0	1
P<Q	0	1
X	1	1

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

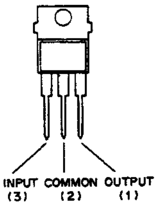
NE5532AP (TI)
NE5532P (TI)
LOW NOISE OPERATIONAL AMPLIFIER
— TOP VIEW —


1
2
3
4
VEE (-3 to -20V)
Vcc (+3 to +20V) 8
7
6
5

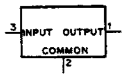
NJM4560D (JRC)
NJM4560DD (JRC)
NJM4560DN (JRC)
NJM4560DX (JRC)
NJM4560M (JRC) FLAT PACKAGE
OPERATIONAL AMPLIFIER
— TOP VIEW —


1
2
3
4
VEE (-15V)
Vcc (+15V) 8
7
6
5

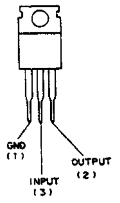
NJM78M ? ?A (JRC)
POSITIVE VOLTAGE REGULATOR (500mA)
— FRONT VIEW —


INPUT (3)
COMMON (2)
OUTPUT (1)

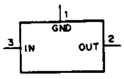
5V	NJM78M05A
6V	NJM78M06A
8V	NJM78M08A
9V	NJM78M09A
12V	NJM78M12A
15V	NJM78M15A
18V	NJM78M18A
20V	NJM78M20A
24V	NJM78M24A


3 INPUT
OUTPUT 1
COMMON
2

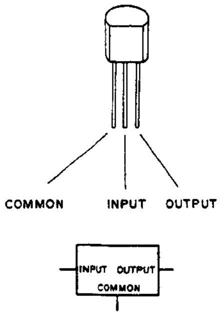
NJM79 ? ?A (JRC)
NEGATIVE VOLTAGE REGULATOR (1A)
— SIDE VIEW —


GND (1)
INPUT (3)
OUTPUT (2)

OUTPUT VOLTAGE	? ?
− 5 V	05
− 6 V	06
− 8 V	08
− 9 V	09
−12 V	12
−15 V	15
−18 V	18
−24 V	24

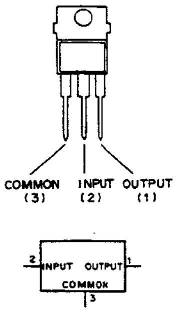

1
GND
3 IN
OUT 2

NJM79L ? ?A (JRC)
NEGATIVE VOLTAGE REGULATOR (100mA)
— FRONT VIEW —


COMMON
INPUT
OUTPUT
INPUT OUTPUT
COMMON

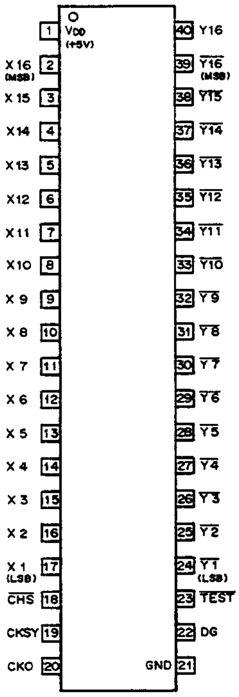
OUTPUT VOLTAGE	NJM79L??A
−3V	NJM79L03A
−4V	
−5V	NJM79L05A
−6V	NJM79L06A
−7V	
−8V	NJM79L08A
−9V	NJM79L09A
−10V	
−12V	NJM79L12A
−15V	NJM79L15A
−18V	NJM79L18A
−20V	
−24V	NJM79L24A

NJM79M ? ?A (JRC)
NEGATIVE VOLTAGE REGULATOR (500mA)
— FRONT VIEW —

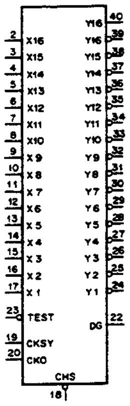

COMMON (3)
INPUT (2)
OUTPUT (1)
2 INPUT OUTPUT 1
COMMON
3

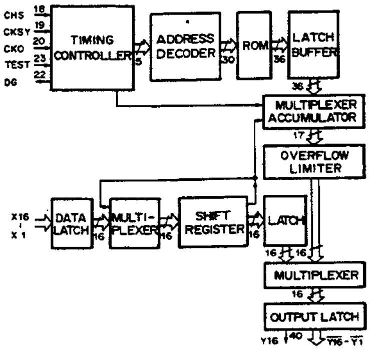
−5V	NJM79M05A
−6V	NJM79M06A
−8V	NJM79M08A
−9V	NJM79M09A
−12V	NJM79M12A
−15V	NJM79M15A
−18V	NJM79M18A
−24V	NJM79M24A

SM5800 (NPC)
DIGITAL FILTER

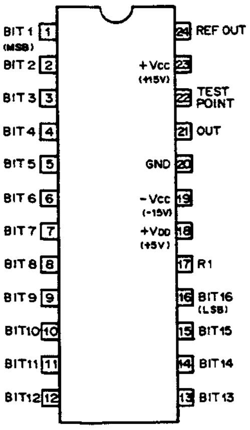

1 VDD (+5V)
X16 (MSB) 2
X15 3
X14 4
X13 5
X12 6
X11 7
X10 8
X9 9
X8 10
X7 11
X6 12
X5 13
X4 14
X3 15
X2 16
X1 (LSB) 17
CHS 18
CKSY 19
CKO 20
40 Y16
39 Y16 (MSB)
38 Y15
37 Y14
36 Y13
35 Y12
34 Y11
33 Y10
32 Y9
31 Y8
30 Y7
29 Y6
28 Y5
27 Y4
26 Y3
25 Y2
24 Y1 (LSB)
23 TEST
22 DG
GND 21

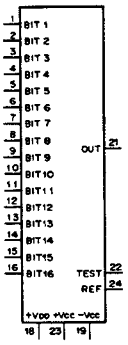
CHS ;CHANNEL SELECT INPUT
CKO ;SYSTEM CLOCK INPUT
CKSY ;SYSTEM SYNC CLOCK INPUT
DG ;DAC DEGLITCH SIGNAL OUTPUT
TEST ;TEST TERMINAL
X1−X16;DATA INPUT
Y1−Y16;DATA OUTPUT

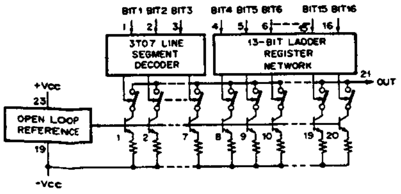

2 X16
3 X15
4 X14
5 X13
6 X12
7 X11
8 X10
9 X9
10 X8
11 X7
12 X6
13 X5
14 X4
15 X3
16 X2
17 X1
23 TEST
19 CKSY
20 CKO
Y16 40
Y16 39
Y15 38
Y14 37
Y13 36
Y12 35
Y11 34
Y10 33
Y9 32
Y8 31
Y7 30
Y6 29
Y5 27
Y4 27
Y3 26
Y2 25
Y1 24
DG 22
CHS 18


CHS 18
CKSY 19
CKO 20
TEST 23
DG 22
TIMING CONTROLLER
5
ADDRESS DECODER
30
ROM
36
LATCH BUFFER
36
MULTIPLEXER ACCUMULATOR
17
OVERFLOW LIMITER
X16
X1
DATA LATCH
16
MULTI-PLEXER
16
SHIFT REGISTER
16
LATCH
16
16
MULTIPLEXER
16
OUTPUT LATCH
Y16 40
Y16-Y1

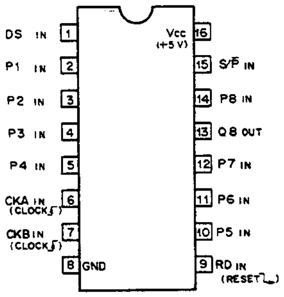
PCM53JG-1 (BURR BROWN)
PCM53JP-1 (BURR BROWN)
16 BIT D/A CONVERTER

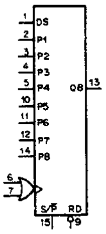

BIT1 (MSB) 1
BIT2 2
BIT3 3
BIT4 4
BIT5 5
BIT6 6
BIT7 7
BIT8 8
BIT9 9
BIT10 10
BIT11 11
BIT12 12
24 REF OUT
+Vcc (+15V) 23
22 TEST POINT
21 OUT
GND 20
−Vcc (−15V) 19
+VDD (+5V) 18
17 R1
16 BIT16 (LSB)
15 BIT15
14 BIT14
13 BIT13


1 BIT1
2 BIT2
3 BIT3
4 BIT4
5 BIT5
6 BIT6
7 BIT7
8 BIT8
9 BIT9
10 BIT10
11 BIT11
12 BIT12
13 BIT13
14 BIT14
15 BIT15
16 BIT16
OUT 21
TEST 22
REF 24
+VDD +Vcc −Vcc
18 23 19

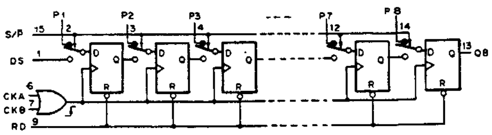

BIT1 BIT2 BIT3
BIT4 BIT5 BIT6
BIT15 BIT16
1 2 3 4 5 6 15 16
3TO7 LINE SEGMENT DECODER
13-BIT LADDER REGISTER NETWORK
21 OUT
+Vcc
23
OPEN LOOP REFERENCE
19
-Vcc
1 2 7 8 9 10 19 20

SN74166N (TI)
SN74LS166AN (TI)
SN74LS166N (TI)
TTL 8-BIT SHIFT REGISTER
— TOP VIEW —


DS IN 1
P1 IN 2
P2 IN 3
P3 IN 4
P4 IN 5
CKA IN (CLOCK) 6
CKB IN (CLOCK) 7
8 GND
16 Vcc (+5V)
15 S/P IN
14 P8 IN
13 Q8 OUT
12 P7 IN
11 P6 IN
10 P5 IN
9 RD IN (RESET)


1 DS
2 P1
3 P2
4 P3
5 P4
10 P5
11 P6
12 P7
14 P8
Q8 13
6
7
S/P RD
15 9

DS ; DATA SERIAL INPUT
P1 − P8 ; PARALLEL DATA INPUTS
CK ; CLOCK

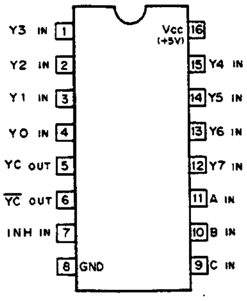

P1 P2 P3 P7 P8
S/P 15
2 3 4 12 14
DS 1
D Q
R
13 Q8
CKA 6
CKB 7
RD 9

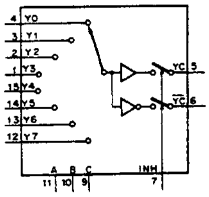
CKA	CKB	CK
0	0	0
X	1	1
1	X	1
1	ʃ	1
ʃ	1	1
0	ʃ	ʃ
ʃ	0	ʃ

INPUTS					OUTPUT
RD	S/P	CK	DS	P1-P8	Q8
0	X	X	X	X	0
1	X	0	X	X	Q8o
1	0	ʃ	X	1-8	8
1	1	ʃ	1	X	Q7n
1	1	ʃ	0	X	Q7n
1	X	ʃ	X	X	Q8o

0; LOW LEVEL
1 ; HIGH LEVEL
X; DON'T CARE

SN74251N (TI)
SN74ALS251N (TI)
SN74LS251N (TI)
SN74S251N (TI)
TTL 8-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER
WITH THREE-STATE OUTPUT
— TOP VIEW —

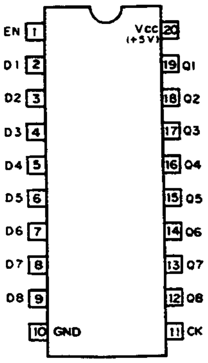

Y3 IN 1
Y2 IN 2
Y1 IN 3
Y0 IN 4
YC OUT 5
$\overline{YC}$ OUT 6
INH IN 7
8 GND
Vcc (+5V) 16
15 Y4 IN
14 Y5 IN
13 Y6 IN
12 Y7 IN
11 A IN
10 B IN
9 C IN

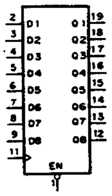

4 Y0
3 Y1
2 Y2
1 Y3
15 Y4
14 Y5
13 Y6
12 Y7
YC 5
$\overline{YC}$ 6
A B C
11 10 9
INH
7

CONTROL IN				OUTPUTS	
C	B	A	INH	YC	$\overline{YC}$
X	X	X	1	HI-Z	HI-Z
0	0	0	0	Y0	$\overline{Y0}$
0	0	1	0	Y1	$\overline{Y1}$
0	1	0	0	Y2	$\overline{Y2}$
0	1	1	0	Y3	$\overline{Y3}$
1	0	0	0	Y4	$\overline{Y4}$
1	0	1	0	Y5	$\overline{Y5}$
1	1	0	0	Y6	$\overline{Y6}$
1	1	1	0	Y7	$\overline{Y7}$

0; LOW LEVEL
1; HIGH LEVEL
HI-Z; HIGH IMPEDANCE

SN74ALS574N (TI)
TTL 3-STATE D-TYPE EDGE-TRIGGERED FLIP-FLOP
— TOP VIEW —

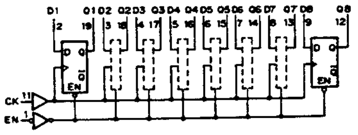

EN 1
D1 2
D2 3
D3 4
D4 5
D5 6
D6 7
D7 8
D8 9
10 GND
Vcc (+5V) 20
19 Q1
18 Q2
17 Q3
16 Q4
15 Q5
14 Q6
13 Q7
12 Q8
11 CK


D1
D2
D3
D4
D5
D6
D7
D8
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
EN

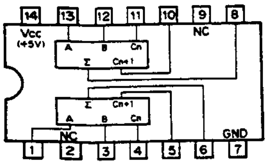
EACH FLIP-FLOP

INPUTS			OUT
EN	CK	D	Q
0	↑	1	1
0	↑	0	0
0	0	X	Qo
1	X	X	HI-Z

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE


D1
Q1 D2
Q2 D3
Q3 D4
Q4 D5
Q5 D6
Q6 D7
Q7 D8
Q8
CK 11
EN 1
D
Q
EN

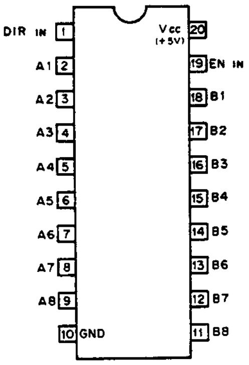
SN74LS183N (TI)
TTL CARRY-SAVE FULL ADDERS
— TOP VIEW —


14 13 12 11 10 9 8
Vcc (+5V)
NC
A B Cn
Σ Cn+1
Σ Cn+1
A B Cn
NC
GND
1 2 3 4 5 6 7

INPUTS			OUTPUTS	
Cn	B	A	Σ	Cn+1
0	0	0	0	0
0	0	1	1	0
0	1	0	1	0
0	1	1	0	1
1	0	0	1	0
1	0	1	0	1
1	1	0	0	1
1	1	1	1	1

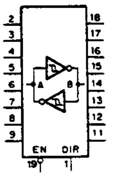
0 ; LOW LEVEL
1 ; HIGH LEVEL

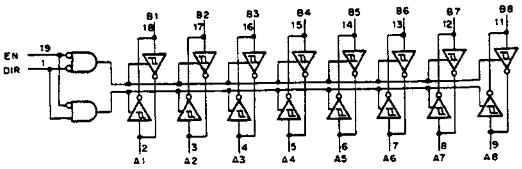
SN74ALS640A-1N (TI)
SN74ALS640AN (TI)
SN74LS640-1N (TI)
SN74LS640N (TI)
TTL BILATERAL SCHMITT TRIGGER BUS TRANSCEIVERS INVERTER
WITH 3-STATE OUTPUT
— TOP VIEW —


DIR IN 1
A1 2
A2 3
A3 4
A4 5
A5 6
A6 7
A7 8
A8 9
10 GND
Vcc (+5V) 20
19 EN IN
18 B1
17 B2
16 B3
15 B4
14 B5
13 B6
12 B7
11 B8

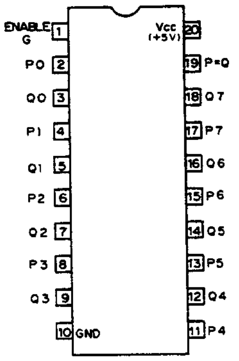
EN	DIR	OPERATION
0	0	B to A
0	1	A to B
1	X	HI - Z

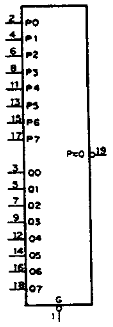
0 : LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE.
HI-Z ; HIGH IMPEDANCE

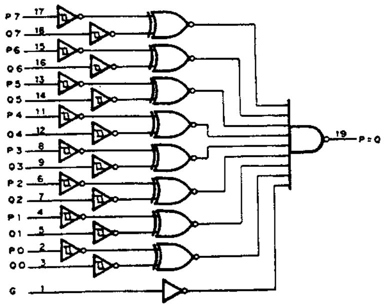

2 3 4 5 6 7 8 9
18 17 16 15 14 13 12 11
A
B
EN DIR
19 1


B1 B2 B3 B4 B5 B6 B7 B8
18 17 16 15 14 13 12 11
EN 19
DIR 1
2 3 4 5 6 7 8 9
A1 A2 A3 A4 A5 A6 A7 A8

SN74ALS688N (TI)
SN74LS688N (TI)
TTL 8-BIT MAGNITUDE COMPARATOR


ENABLE G 1
P0 2
Q0 3
P1 4
Q1 5
P2 6
Q2 7
P3 8
Q3 9
10 GND
Vcc (+5V) 20
19 P=Q
18 Q7
17 P7
16 Q6
15 P6
14 Q5
13 P5
12 Q4
11 P4


2 P0
4 P1
6 P2
8 P3
11 P4
13 P5
15 P6
17 P7
P=Q 19
3 Q0
5 Q1
7 Q2
9 Q3
12 Q4
14 Q5
16 Q6
18 Q7
G
1

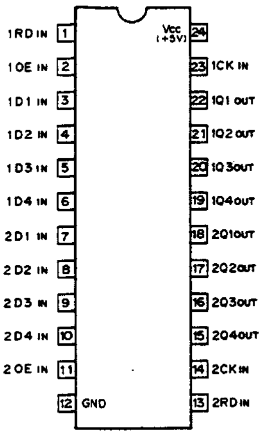

P7 17
Q7 18
P6 15
Q6 16
P5 13
Q5 14
P4 11
Q4 12
P3 8
Q3 9
P2 6
Q2 7
P1 4
Q1 5
P0 2
Q0 3
G 1
19 P=Q

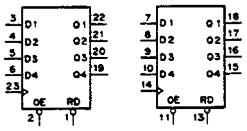
INPUTS		OUTPUT
P,Q	G	P=Q
P=Q	0	0
P>Q	0	1
P<Q	0	1
X	1	1

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

SN74ALS874NT (TI)

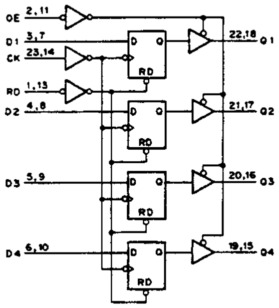
TTL DUAL 4-BIT D-TYPE EDGE-TRIGGERED FLIP-FLOPS
— TOP VIEW —


1RD IN 1
1OE IN 2
1D1 IN 3
1D2 IN 4
1D3 IN 5
1D4 IN 6
2D1 IN 7
2D2 IN 8
2D3 IN 9
2D4 IN 10
2OE IN 11
12 GND
Vcc (+5V) 24
23 1CK IN
22 1Q1 OUT
21 1Q2 OUT
20 1Q3 OUT
19 1Q4 OUT
18 2Q1 OUT
17 2Q2 OUT
16 2Q3 OUT
15 2Q4 OUT
14 2CK IN
13 2RD IN


D1 D2 D3 D4 Q1 Q2 Q3 Q4
OE RD
3 4 5 6 23 22 21 20 19 2 1
7 8 9 10 14 18 17 16 15 11 13

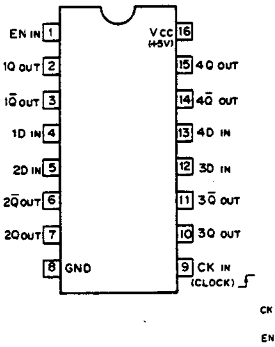
INPUTS				OUTPUT
OE	RD	CK	D	Q
0	0	X	X	0
0	1	↑	1	1
0	1	↑	0	0
0	1	0	X	Q_0
1	X	X	X	HI-Z

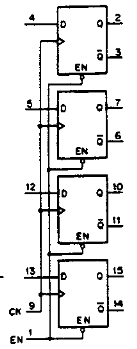
0;LOW LEVEL
1;HIGH LEVEL
X;DON'T CARE
HI-Z;HIGH IMPEDANCE

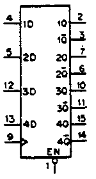

OE 2,11
D1 3,7
CK 23,14
RD 1,13
D2 4,8
D3 5,9
D4 6,10
22,18 Q1
21,17 Q2
20,16 Q3
19,15 Q4
D Q RD

SN74LS379N (TI)

TTL QUAD D-TYPE FLIP-FLOP WITH ENABLE
— TOP VIEW —


EN IN 1
1Q OUT 2
1Q̄ OUT 3
1D IN 4
2D IN 5
2Q̄ OUT 6
2Q OUT 7
8 GND
Vcc (+5V) 16
15 4Q OUT
14 4Q̄ OUT
13 4D IN
12 3D IN
11 3Q̄ OUT
10 3Q OUT
9 CK IN (CLOCK)


4 5 12 13 2 3 7 6 10 11 15 14
D Q Q̄ EN
CK 9
EN 1

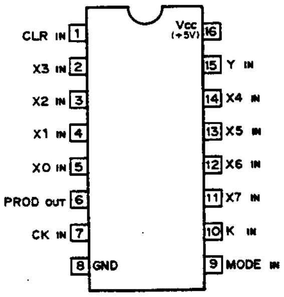

4 1D 1Q 2
5 2D 1Q̄ 3
12 3D 2Q 7
13 4D 2Q̄ 6
9 3Q 10
3Q̄ 11
4Q 15
4Q̄ 14
EN 1

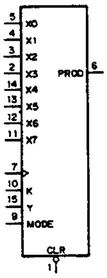
EACH FLIP-FLOP

INPUTS			OUT	
EN	CK	D	Q	$\overline{Q}$
1	X	X	Q_0	$\overline{Q_0}$
0	↑	1	1	0
0	↑	0	0	1
X	0	X	Q_0	$\overline{Q_0}$

SN74LS384N (TI)

TTL 8-BIT BY 1-BIT TWO'S-COMPLEMENT MULTIPLIERS
— TOP VIEW —


CLR IN 1
X3 IN 2
X2 IN 3
X1 IN 4
X0 IN 5
PROD OUT 6
CK IN 7
8 GND
Vcc (+5V) 16
15 Y IN
14 X4 IN
13 X5 IN
12 X6 IN
11 X7 IN
10 K IN
9 MODE IN


5 X0
4 X1
3 X2
2 X3
14 X4
13 X5
12 X6
11 X7
7
10 K
15 Y
9 MODE
PROD 6
CLR 1

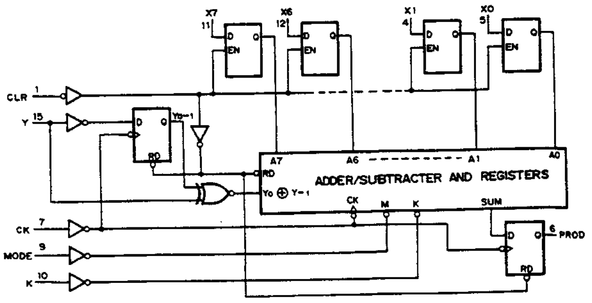
XO-X7 ; MULTIPLICAND DATA INPUTS
CK ; CLOCK INPUT
K ; SERIAL EXPANSION INPUT
MODE ; MODE CONTROLL INPUT
CLR ; ASYNCHRONOUS PARALLEL LOAD INPUT
Y ; SERIAL MULTIPLIER INPUT
PROD ; SERIAL X,Y PRODUCT OUTPUT

FUNCTION TABLE

INPUTS						INTERNAL	OUTPUT	FUNCTION
CLR	CK	K	MODE	X1	Y	Yo-1	PROD	
X	X	0	0	X	X	X	X	MOST SIGNIFICANT MULTIPLIER DEVICE
X	X	CS	1	X	X	X	X	DEVICE CASCADED IN MULTIPLIER STRING
0	X	X	X	OP	X	0	0	LOAD NEW MULTIPLICAND AND CLEAR INTERNAL SUM AND CARRY REGISTERS
1	X	X	X	X	X	X	X	DEVICE ENABLED
1	↑	X	X	X	0	0	AR	SHIFT SUM REGISTER
1	↑	X	X	X	0	1	AR	ADD MULTIPLICAND TO SUM REGISTER AND SHIFT
1	↑	X	X	X	1	0	AR	SUBTRACT MULTIPLICAND FROM SUM REGISTER AND SHIFT
1	↑	X	X	X	1	1	AR	SHIFT SUM REGISTER

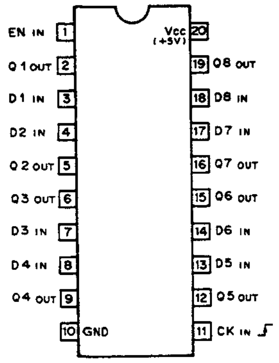
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

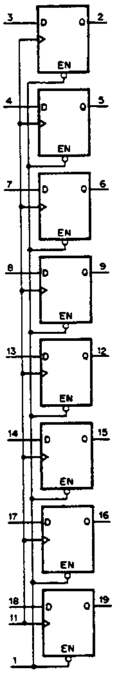
CS ; CONNECTED TO PROD OUTPUT OF HIGH ORDER DEVICE
OP ; X1 LATCHES OPEN FOR NEW DATA
AR ; OUTPUT AS REQUIRED PER BOOTH'S ALGORITHM

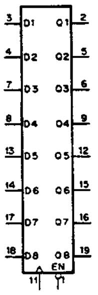

X7 11
X6 12
X1 4
X0 5
D Q EN
CLR 1
Y 15
Yo-1
RD
A7 A6 A1 A0
ADDER/SUBTRACTER AND REGISTERS
Yo ⊕ Y-1
CK M K SUM
CK 7
MODE 9
K 10
6 PROD

SN74LS377N (TI)

TTL D-TYPE FLIP-FLOP WITH ENABLE
— TOP VIEW —


EN IN 1
Q1 OUT 2
D1 IN 3
D2 IN 4
Q2 OUT 5
Q3 OUT 6
D3 IN 7
D4 IN 8
Q4 OUT 9
10 GND
Vcc (+5V) 20
19 Q8 OUT
18 D8 IN
17 D7 IN
16 Q7 OUT
15 Q6 OUT
14 D6 IN
13 D5 IN
12 Q5 OUT
11 CK IN


3 4 7 8 13 14 17 18 11 1
2 5 6 9 12 15 16 19
D Q EN


3 D1 Q1 2
4 D2 Q2 5
7 D3 Q3 6
8 D4 Q4 9
13 D5 Q5 12
14 D6 Q6 15
17 D7 Q7 16
18 D8 Q8 19
EN
11 1

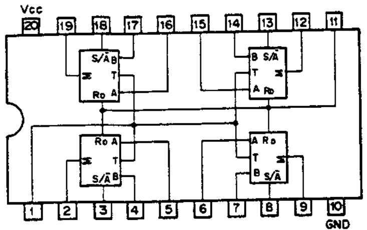
EACH FLIP-FLOP

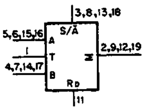
INPUTS			OUT
EN	CK	D	Q
1	X	X	Q_0
0	↑	1	1
0	↑	0	0
X	0	X	Q_0

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

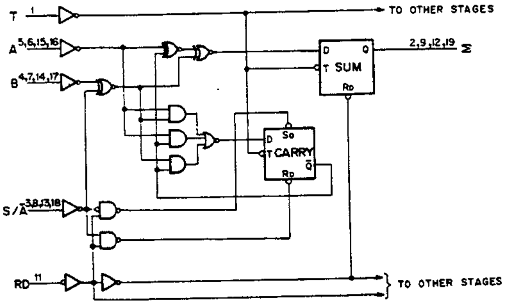
SN74LS385N (TI)

TTL SERIAL ADDER/SUBTRACTOR
—TOP VIEW—


Vcc
20
19
18
17
16
15
14
13
12
11
S/Ā
B
Σ
T
RD
A
1
2
3
4
5
6
7
8
9
10
GND


3,8,13,18
5,6,15,16
4,7,14,17
S/Ā
A
T
B
Σ
RD
2,9,12,19
11

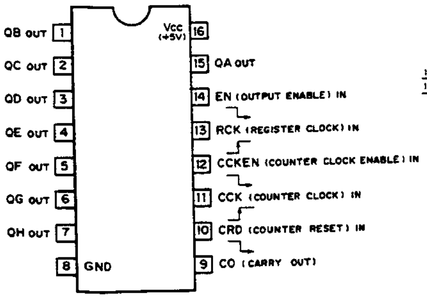
S/Ā = SUBTRACT/ADD
Σ = SUM

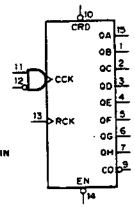

T
1
TO OTHER STAGES
A
5,6,15,16
B
4,7,14,17
D
Q
T SUM
RD
2,9,12,19
Σ
D
S0
T CARRY
Q̄
RD
S/Ā
3,8,13,18
RD
11
TO OTHER STAGES

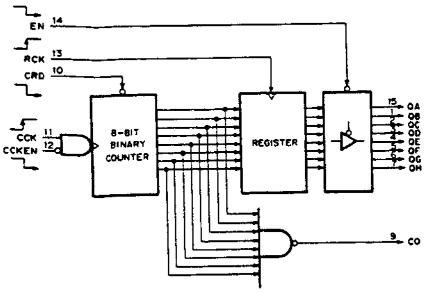
SELECTED FUNCTION	INPUT					INTERNAL CARRY D INPUT		Σ OUTPUT
	RD	S/Ā	A	B	T	BEFORE CLOCK(↑)	AFTER CLOCK(↑)	AFTER CLOCK(↑)
CLEAR	0	0	X	X	X	0	0	0
	0	1	X	X	X	1	1	0
ADD	1	0	0	0	↑	0	0	0
	1	0	0	0	↑	1	0	1
	1	0	0	1	↑	0	0	1
	1	0	0	1	↑	1	1	0
	1	0	1	0	↑	0	0	1
	1	0	1	0	↑	1	1	0
	1	0	1	1	↑	0	1	0
	1	0	1	1	↑	1	1	1
SUBTRACT	1	1	0	0	↑	0	0	1
	1	1	0	0	↑	1	1	0
	1	1	0	1	↑	0	0	0
	1	1	0	1	↑	1	0	1
	1	1	1	0	↑	0	1	0
	1	1	1	0	↑	1	1	1
	1	1	1	1	↑	0	0	1
	1	1	1	1	↑	1	1	0

SN74LS590N (TI)

TTL 8-BIT BINARY COUNTER WITH OUTPUT REGISTER AND 3-STATE OUTPUT
— TOP VIEW —

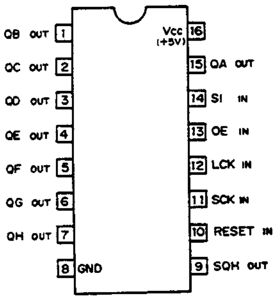

QB OUT 1
QC OUT 2
QD OUT 3
QE OUT 4
QF OUT 5
QG OUT 6
QH OUT 7
8 GND
Vcc (+5V) 16
15 QA OUT
14 EN (OUTPUT ENABLE) IN
13 RCK (REGISTER CLOCK) IN
12 CCKEN (COUNTER CLOCK ENABLE) IN
11 CCK (COUNTER CLOCK) IN
10 CRD (COUNTER RESET) IN
9 CO (CARRY OUT)

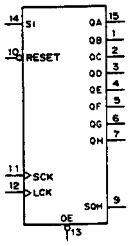

10
CRD
11
12
CCK
13
RCK
QA 15
QB 1
QC 2
QD 3
QE 4
QF 5
QG 6
QH 7
CO 9
EN
14


EN
14
RCK
13
CRD
10
CCK
11
CCKEN
12
8-BIT BINARY COUNTER
REGISTER
15
QA
QB
QC
QD
QE
QF
QG
QH
9
CO

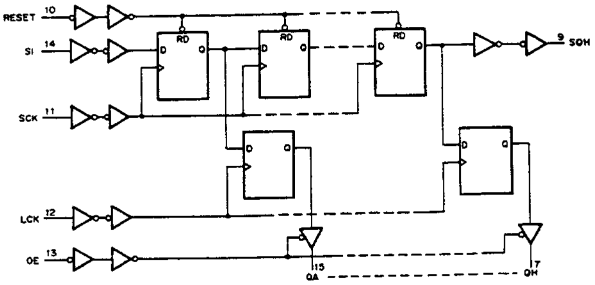
SN74LS595N (TI)

TTL 8-BIT SHIFT REGISTER WITH OUTPUT LATCHES (3-STATE)
— TOP VIEW —


QB OUT 1
QC OUT 2
QD OUT 3
QE OUT 4
QF OUT 5
QG OUT 6
QH OUT 7
8 GND
Vcc (+5V) 16
15 QA OUT
14 SI IN
13 OE IN
12 LCK IN
11 SCK IN
10 RESET IN
9 SQH OUT

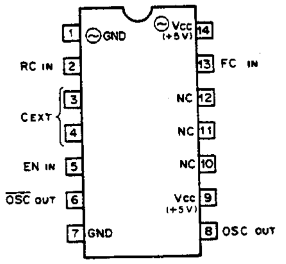

14
SI
10
RESET
11
SCK
12
LCK
OE
13
QA 15
QB 1
QC 2
QD 3
QE 4
QF 5
QG 6
QH 7
SQH 9

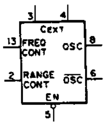
OE ; OUTPUT ENABLE INPUT
LCK ; LATCH CLOCK INPUT
SCK ; SHIFT CLOCK INPUT
RESET ; RESET INPUT
SI ; SERIAL IN
QA–QH ; PARALLEL OUTPUTS
SQH ; SERIAL OUT


RESET
10
SI
14
SCK
11
LCK
12
OE
13
RD
D
Q
9
SOH
15
QA
7
QH

SN74LS624N (TI)
SN74LS624N-R (TI)

TTL VOLTAGE CONTROLLED OSCILLATOR
— TOP VIEW —


1 GND
RC IN 2
CEXT 3
4
EN IN 5
OSC OUT 6
7 GND
Vcc (+5V) 14
13 FC IN
NC 12
NC 11
NC 10
Vcc (+5V) 9
8 OSC OUT

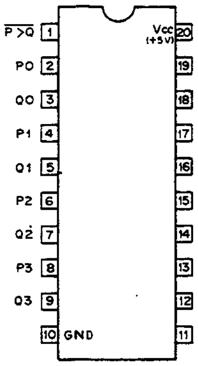

3
4
CEXT
13
FREQ CONT
OSC
8
2
RANGE CONT
OSC
6
EN
5

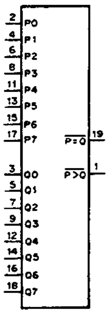
EN	OSC	$\overline{OSC}$
0	ENABLE	ENABLE
1	0	1

0; LOW LEVEL
1; HIGH LEVEL

SELECTED FUNCTION	INPUT					INTERNAL CARRY D INPUT		Σ OUTPUT
	RD	S/Ā	A	B	T	BEFORE CLOCK(↑)	AFTER CLOCK(↑)	AFTER CLOCK(↑)
CLEAR	0	0	X	X	X	0	0	0
	0	1	X	X	X	1	1	0
ADD	1	0	0	0	↑	0	0	0
	1	0	0	0	↑	1	0	1
	1	0	0	1	↑	0	0	1
	1	0	0	1	↑	1	1	0
	1	0	1	0	↑	0	0	1
	1	0	1	0	↑	1	1	0
	1	0	1	1	↑	0	1	0
	1	0	1	1	↑	1	1	1
SUBTRACT	1	1	0	0	↑	0	0	1
	1	1	0	0	↑	1	1	0
	1	1	0	1	↑	0	0	0
	1	1	0	1	↑	1	0	1
	1	1	1	0	↑	0	1	0
	1	1	1	0	↑	1	1	1
	1	1	1	1	↑	0	0	1
	1	1	1	1	↑	1	1	0

SN74LS682N (TI)
SN74LS683N (TI)
SN74LS683NS (TI) FLAT PACKAGE
SN74LS684N (TI)
TTL 8-BIT MAGNITUDE COMPARATOR
WITH TOTEM-POLE OUTPUTS
— TOP VIEW —

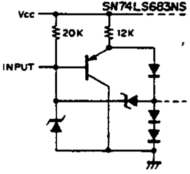

P>Q 1
P0 2
Q0 3
P1 4
Q1 5
P2 6
Q2 7
P3 8
Q3 9
10 GND
Vcc (+5V) 20
19 P=Q
18 Q7
17 P7
16 Q6
15 P6
14 Q5
13 P5
12 Q4
11 P4


2 P0
4 P1
6 P2
8 P3
11 P4
13 P5
15 P6
17 P7
3 Q0
5 Q1
7 Q2
9 Q3
12 Q4
14 Q5
16 Q6
18 Q7
P=Q 19
P>Q 1

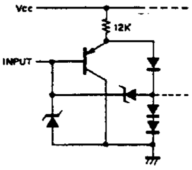
DATA INPUTS		OUTPUTS	
P0-P7	Q0-Q7	P=Q	P>Q
P=Q		0	1
P>Q		1	0
P<Q		1	1

1; HIGH LEVEL
0; LOW LEVEL

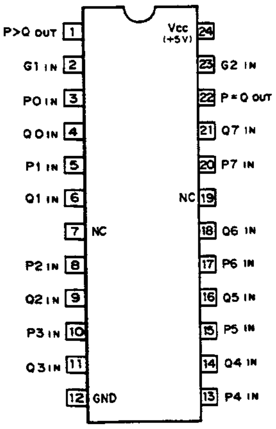
INPUT OF SN74LS682N
SN74LS683N
SN74LS683NS

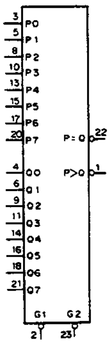

Vcc
20K
12K
INPUT

INPUT OF SN74LS684N


Vcc
12K
INPUT

SN74LS686NT (TI)
TTL 8-BIT MAGNITUDE COMPARATOR
— TOP VIEW —

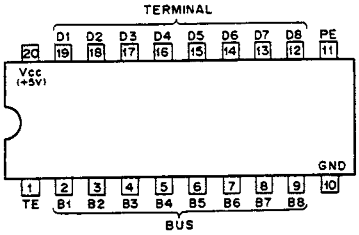

P>Q OUT 1
G1 IN 2
P0 IN 3
Q0 IN 4
P1 IN 5
Q1 IN 6
7 NC
P2 IN 8
Q2 IN 9
P3 IN 10
Q3 IN 11
12 GND
Vcc (+5V) 24
23 G2 IN
22 P=Q OUT
21 Q7 IN
20 P7 IN
NC 19
18 Q6 IN
17 P6 IN
16 Q5 IN
15 P5 IN
14 Q4 IN
13 P4 IN

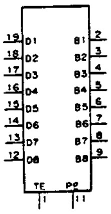

3 P0
5 P1
8 P2
10 P3
13 P4
15 P5
17 P6
20 P7
4 Q0
6 Q1
9 Q2
11 Q3
14 Q4
16 Q5
18 Q6
21 Q7
P=Q 22
P>Q 1
G1 2
G2 23

INPUTS				OUTPUTS	
P0-P7	Q0-Q7	G1	G2	P=Q	P>Q
P=Q		0	0	0	1
P>Q		0	0	1	0
P<Q		0	0	1	1
X		1	1	1	1

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

SN75160AN (TI)
SN75160AN-R (TI)
SN75160N (TI)
OCTAL GENERAL-PURPOSE INTERFACE BUS TRANSCEIVERS
— TOP VIEW —


TERMINAL
D1 D2 D3 D4 D5 D6 D7 D8 PE
20 19 18 17 16 15 14 13 12 11
Vcc (+5V)
GND
1 2 3 4 5 6 7 8 9 10
TE B1 B2 B3 B4 B5 B6 B7 B8
BUS


19 D1 B1 2
18 D2 B2 3
17 D3 B3 4
16 D4 B4 5
15 D5 B5 6
14 D6 B6 7
13 D7 B7 8
12 D8 B8 9
TE 1
PE 11

TE; TALK ENABLE
PE; PULL-UP ENABLE

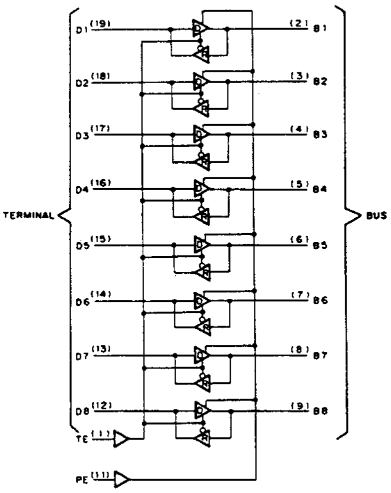
DRIVERS

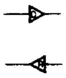
INPUTS			OUTPUT
D	TE	PE	B
1	1	1	1
0	1	X	0
1	X	0	Z
X	0	X	Z

RECEIVERS

INPUTS			OUTPUT
B	TE	PE	D
0	0	X	0
1	0	X	1
X	1	X	Z

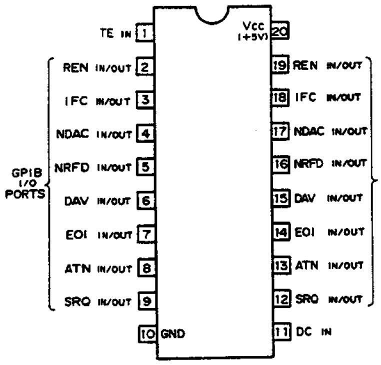
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
Z; HIGH IMPEDANCE

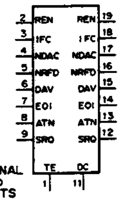

D1 (19)
(2) B1
D2 (18)
(3) B2
D3 (17)
(4) B3
D4 (16)
(5) B4
D5 (15)
(6) B5
D6 (14)
(7) B6
D7 (13)
(8) B7
D8 (12)
(9) B8
TE (1)
PE (11)
TERMINAL
BUS


= DRIVER

= RECEIVER

SN75161AN (TI)
INTERFACE BUS TRANSCEIVERS
— TOP VIEW —


TE IN 1
Vcc (+5V) 20
REN IN/OUT 2
19 REN IN/OUT
IFC IN/OUT 3
18 IFC IN/OUT
NDAC IN/OUT 4
17 NDAC IN/OUT
NRFD IN/OUT 5
16 NRFD IN/OUT
DAV IN/OUT 6
15 DAV IN/OUT
EOI IN/OUT 7
14 EOI IN/OUT
ATN IN/OUT 8
13 ATN IN/OUT
SRQ IN/OUT 9
12 SRQ IN/OUT
10 GND
11 DC IN
GPIB I/O PORTS
TERMINAL I/O PORTS


2 REN REN 19
3 IFC IFC 18
4 NDAC NDAC 17
5 NRFD NRFD 16
6 DAV DAV 15
7 EOI EOI 14
8 ATN ATN 13
9 SRQ SRQ 12
TE 1
DC 11

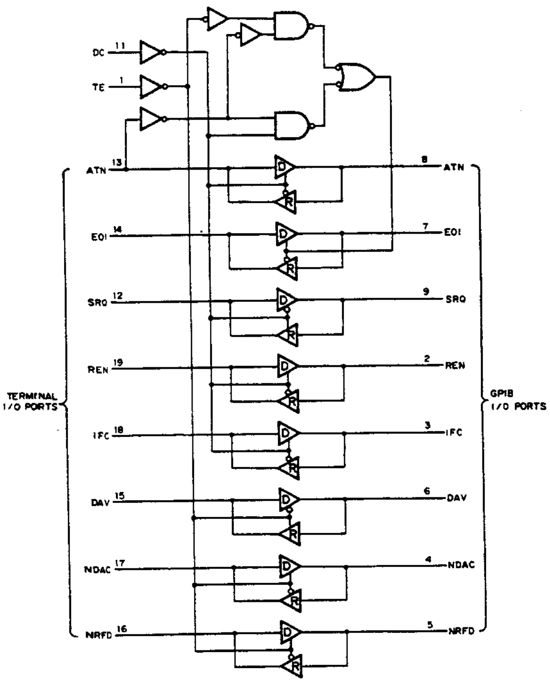
DC; DIRECTION CONTROL
TE; TALK ENABLE
ATN; ATTENTION
SRQ; SERVICE REQUEST
REN; REMOTE ENABLE
IFC; INTERFACE CLEAR
EOI; END OR IDENTIFY
DAV; DATA VALID
NDAC; NOT DATA ACCEPTED
NRFD; NOT READY FOR DATA

RECEIVE/TRANSMIT FUNCTION TABLE

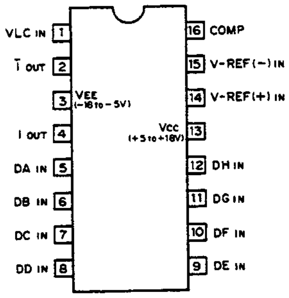
CONTROLS			BUS-MANAGEMENT CHANNELS					DATA-TRANSFER CHANNELS		
			CONTROLLED BY DC				EOI	CONTROLLED BY TE		
DC	TE	ATN	ATN	SRQ	REN	IFC		DAV	NDAC	NRFD
1	1	1	R	T	R	R	T	T	R	R
1	1	0					R			
0	0	1	T	R	T	T	R	R	T	T
0	0	0					T			
1	0	X	R	T	R	R	R	R	T	T
0	1	X	T	R	T	T	T	T	R	R

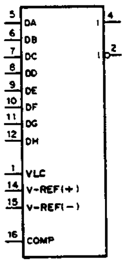
0; LOW LEVEL
1; HIGH LEVEL
X; DONT CARE

R; RECEIVE (TERMINAL ← GPIB)
T; TRANSMIT (TERMINAL → GPIB)


DC 11
TE 1
ATN 13
8 ATN
EOI 14
7 EOI
SRQ 12
9 SRQ
REN 19
2 REN
IFC 18
3 IFC
DAV 15
6 DAV
NDAC 17
4 NDAC
NRFD 16
5 NRFD
D
R
TERMINAL I/O PORTS
GPIB I/O PORTS

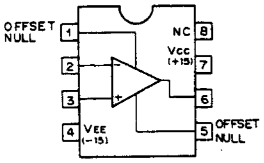
TD62901P (TOSHIBA)
HIGH SPEED 8-BIT D/A CONVERTER
— TOP VIEW —


VLC IN 1
16 COMP
Ī OUT 2
15 V-REF(−) IN
3 VEE (−18 to −5V)
14 V-REF(+) IN
I OUT 4
Vcc (+5 to +18V) 13
DA IN 5
12 DH IN
DB IN 6
11 DG IN
DC IN 7
10 DF IN
DD IN 8
9 DE IN

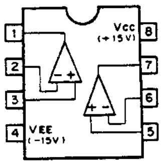

5 DA
6 DB
7 DC
8 DD
9 DE
10 DF
11 DG
12 DH
1 VLC
14 V-REF(+)
15 V-REF(−)
16 COMP
I 4
Ī 2

COMP ; COMPENSATION
DA–DH ; BINARY DATA
Ī ; COMPLEMENTARY CURRENT
V-REF ; REFERENCE VOLTAGE
VLC ; THRESHOLD LEVEL CONTROL

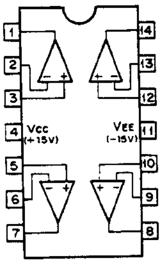
TL081CP (TI)
uPC811C (NEC)
OPERATIONAL AMPLIFIER
(JFET INPUT)
— TOP VIEW —


OFFSET NULL 1
2
3
4 VEE (−15)
NC 8
Vcc (+15) 7
6
5 OFFSET NULL

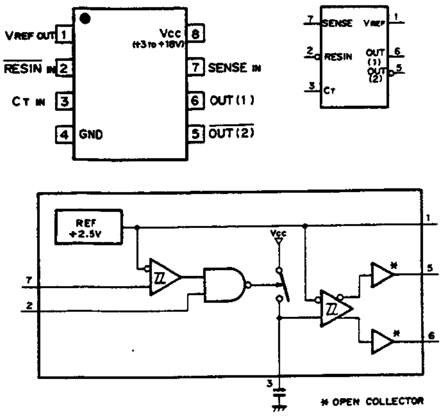
TL082ACP (TI)
TL082BCP (TI)
TL082CP (TI)
TL082CPS (TI) FLAT PACKAGE
uPC4082C (NEC)
OPERATIONAL AMPLIFIER
(J FET-INPUT)
— TOP VIEW —


1
2
3
4 VEE (−15V)
Vcc (+15V) 8
7
6
5

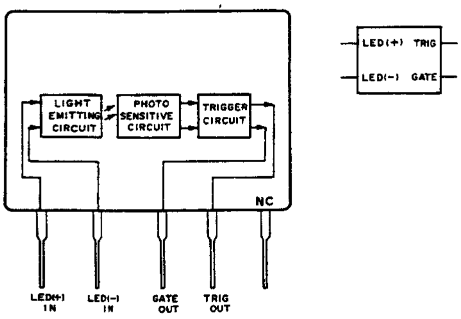
TL084ACN (TI)
TL084BCN (TI)
TL084CN (TI)
TL084CNS (TI) FLAT PACKAGE
uPC4084C (NEC)
OPERATIONAL AMPLIFIER
(J FET-INPUT)
— TOP VIEW —


1
2
3
4 Vcc (+15V)
5
6
7
14
13
12
VEE (−15V) 11
10
9
8

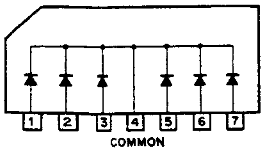
TL7705ACP (TI)
TL7705CP (TI)
POWER VOLTAGE SUPERVISOR
— TOP VIEW —


VREF OUT 1
RESIN IN 2
CT IN 3
4 GND
Vcc (+3 to +18V) 8
7 SENSE IN
6 OUT (1)
5 OUT (2)
SENSE
VREF
RESIN
OUT (1)
OUT (2)
CT
REF +2.5V
Vcc
* OPEN COLLECTOR

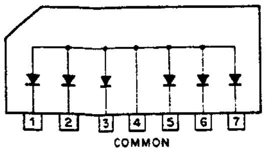
UFZ0184A1 (HITACHI)
TRIAC CONTROLLER
— SIDE VIEW —


LIGHT EMITTING CIRCUIT
PHOTO SENSITIVE CIRCUIT
TRIGGER CIRCUIT
NC
LED(+) IN
LED(-) IN
GATE OUT
TRIG OUT
LED(+)
TRIG
LED(-)
GATE

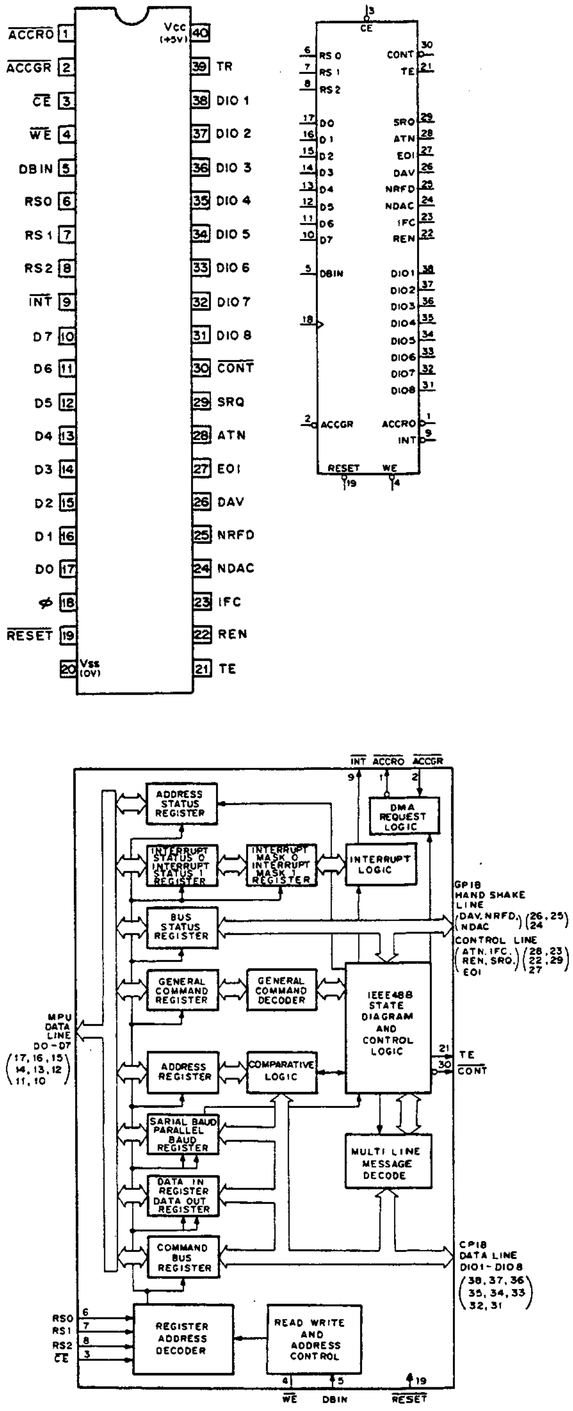
uPA54H (NEC)
uPA54HA (NEC)
DIODE ARRAY
— SIDE VIEW —


1
2
3
4
5
6
7
COMMON

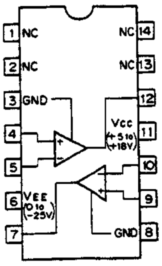
uPA64H (NEC)
uPA64HA (NEC)
DIODE ARRAY
— SIDE VIEW —


1
2
3
4
5
6
7
COMMON

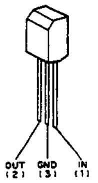
TMS9914ANL (TI)
IEEE488 INTERFACE
— TOP VIEW —


ACCRO 1
ACCGR 2
CE 3
WE 4
DBIN 5
RS0 6
RS1 7
RS2 8
INT 9
D7 10
D6 11
D5 12
D4 13
D3 14
D2 15
D1 16
D0 17
φ 18
RESET 19
20 Vss (0V)
Vcc (+5V) 40
39 TR
38 DIO 1
37 DIO 2
36 DIO 3
35 DIO 4
34 DIO 5
33 DIO 6
32 DIO 7
31 DIO 8
30 CONT
29 SRQ
28 ATN
27 EOI
26 DAV
25 NRFD
24 NDAC
23 IFC
22 REN
21 TE
ADDRESS STATUS REGISTER
INTERRUPT STATUS 0 INTERRUPT STATUS 1 REGISTER
INTERRUPT MASK 0 INTERRUPT MASK 1 REGISTER
INTERRUPT LOGIC
DMA REQUEST LOGIC
BUS STATUS REGISTER
GENERAL COMMAND REGISTER
GENERAL COMMAND DECODER
IEEE488 STATE DIAGRAM AND CONTROL LOGIC
ADDRESS REGISTER
COMPARATIVE LOGIC
SARIAL BAUD PARALLEL BAUD REGISTER
MULTI LINE MESSAGE DECODE
DATA IN REGISTER DATA OUT REGISTER
COMMAND BUS REGISTER
REGISTER ADDRESS DECODER
READ WRITE AND ADDRESS CONTROL
MPU DATA LINE D0-D7 (17, 16, 15, 14, 13, 12, 11, 10)
GP18 HAND SHAKE LINE (DAV, NRFD, NDAC) (26, 25, 24)
CONTROL LINE (ATN, IFC, REN, SRQ, EOI) (28, 23, 22, 29, 27)
TE
CONT
CP18 DATA LINE DIO1~DIO8 (38, 37, 36, 35, 34, 33, 32, 31)
RS0
RS1
RS2
CE
WE
DBIN
RESET

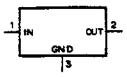
uPC272C (NEC)
uPC319C (NEC)
DUAL VOLTAGE COMPARATOR
— TOP VIEW —


1 NC
2 NC
3 GND
4
5
6 VEE (0 to -25V)
7
NC 14
NC 13
12
Vcc (+5 to +18V) 11
10
9
GND 8

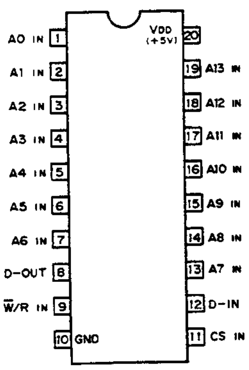
uPC78L ? ? (NEC)
uPC78L ? ?A (NEC)
POSITIVE VOLTAGE REGULATOR (100mA)

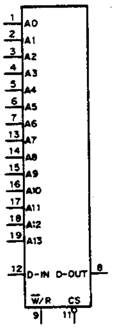

OUT (2)
GND (3)
IN (1)

OUTPUT VOLTAGE	uPC78L??	uPC78L??A
5V	uPC78L05	uPC78L05A
8V	uPC78L08	
12V	uPC78L12	
15V	uPC78L15	


1
IN
OUT
2
GND
3

uPD4311C-35 (NEC) (ACCESS TIME = 35 nS)
uPD4311C-45 (NEC) (ACCESS TIME = 45 nS)
uPD4311C-55 (NEC) (ACCESS TIME = 55 nS)
C-MOS 16384-BIT (16384x1) STATIC RAM
— TOP VIEW —

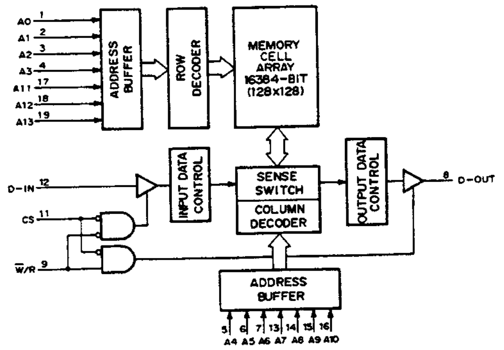

A0 IN 1
A1 IN 2
A2 IN 3
A3 IN 4
A4 IN 5
A5 IN 6
A6 IN 7
D-OUT 8
W/R IN 9
10 GND
VDD (+5V) 20
19 A13 IN
18 A12 IN
17 A11 IN
16 A10 IN
15 A9 IN
14 A8 IN
13 A7 IN
12 D-IN
11 CS IN


1 A0
2 A1
3 A2
4 A3
5 A4
6 A5
7 A6
13 A7
14 A8
15 A9
16 A10
17 A11
18 A12
19 A13
12 D-IN
D-OUT 8
W/R 9
CS 11

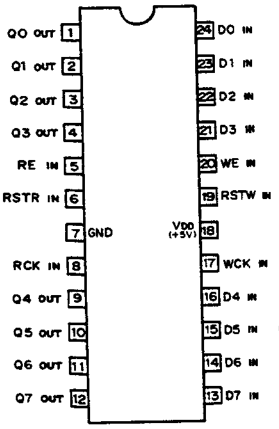
INPUTS		OUTPUT STATUS	MODE
CS	$\overline{\text{W}}$/R		
1	X	HI-Z	NO SELECTION
0	0		WRITE
0	1	D OUT	READ

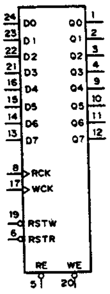
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE

A0-A13 ; ADDRESS INPUTS
D-IN ; DATA INPUT
D-OUT ; DATA OUTPUT
CS ; CHIP SELECT INPUT
$\overline{\text{W}}$/R ; $\overline{\text{WRITE}}$/READ INPUT

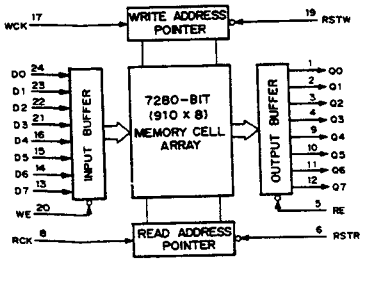

A0 1
A1 2
A2 3
A3 4
A11 17
A12 18
A13 19
ADDRESS BUFFER
ROW DECODER
MEMORY CELL ARRAY 16384-BIT (128x128)
D-IN 12
INPUT DATA CONTROL
SENSE SWITCH
COLUMN DECODER
OUTPUT DATA CONTROL
8 D-OUT
CS 11
W/R 9
ADDRESS BUFFER
5 6 7 13 14 15 16
A4 A5 A6 A7 A8 A9 A10

uPD41101C-1 (NEC) (ACCESS TIME = 49 nS)
uPD41101C-2 (NEC) (ACCESS TIME = 27 nS)
uPD41101C-3 (NEC) (ACCESS TIME = 27 nS)
N-MOS 7280-BIT (910x8) FIFO MEMORY
— TOP VIEW —

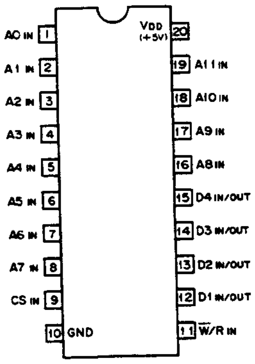

Q0 OUT 1
Q1 OUT 2
Q2 OUT 3
Q3 OUT 4
RE IN 5
RSTR IN 6
7 GND
RCK IN 8
Q4 OUT 9
Q5 OUT 10
Q6 OUT 11
Q7 OUT 12
24 D0 IN
23 D1 IN
22 D2 IN
21 D3 IN
20 WE IN
19 RSTW IN
VDD (+5V) 18
17 WCK IN
16 D4 IN
15 D5 IN
14 D6 IN
13 D7 IN

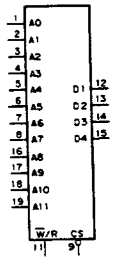

24 D0
23 D1
22 D2
21 D3
16 D4
15 D5
14 D6
13 D7
Q0 1
Q1 2
Q2 3
Q3 4
Q4 9
Q5 10
Q6 11
Q7 12
8 RCK
17 WCK
19 RSTW
6 RSTR
RE 5
WE 20

D0-D7 ; DATA INPUTS
Q0-Q7 ; DATA OUTPUTS
WCK ; WRITE CLOCK INPUT
RCK ; READ CLOCK INPUT
WE ; WRITE ENABLE INPUT
RE ; READ ENABLE INPUT
RSTW ; RESET WRITE INPUT
RSTR ; RESET READ INPUT


WCK 17
WRITE ADDRESS POINTER
19 RSTW
D0 24
D1 23
D2 22
D3 21
D4 16
D5 15
D6 14
D7 13
INPUT BUFFER
7280-BIT (910 x 8) MEMORY CELL ARRAY
OUTPUT BUFFER
1 Q0
2 Q1
3 Q2
4 Q3
9 Q4
10 Q5
11 Q6
12 Q7
WE 20
5 RE
RCK 8
READ ADDRESS POINTER
6 RSTR

uPD4314C-35 (NEC) (ACCESS TIME = 35 nS)
uPD4314C-45 (NEC) (ACCESS TIME = 45 nS)
uPD4314C-55 (NEC) (ACCESS TIME = 55 nS)
C-MOS 16384-BIT (4096x4) STATIC RAM
— TOP VIEW —

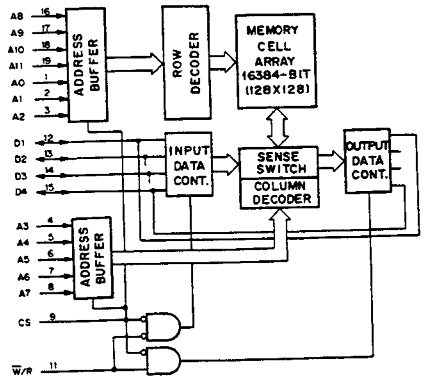

A0 IN 1
A1 IN 2
A2 IN 3
A3 IN 4
A4 IN 5
A5 IN 6
A6 IN 7
A7 IN 8
CS IN 9
10 GND
VDD (+5V) 20
19 A11 IN
18 A10 IN
17 A9 IN
16 A8 IN
15 D4 IN/OUT
14 D3 IN/OUT
13 D2 IN/OUT
12 D1 IN/OUT
11 W/R IN


1 A0
2 A1
3 A2
4 A3
5 A4
6 A5
7 A6
8 A7
16 A8
17 A9
18 A10
19 A11
D1 12
D2 13
D3 14
D4 15
W/R 11
CS 9

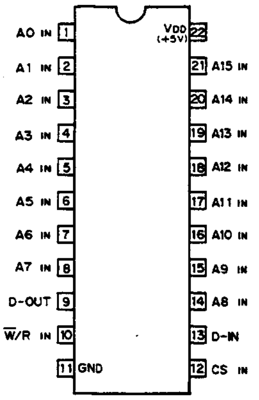
INPUTS		OUTPUT STATUS	MODE
CS	W/R		
1	X	HI-Z	NO SELECTION
0	0		WRITE
0	1	D OUT	READ

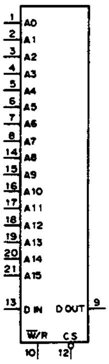
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE

A0-A11 ; ADDRESS INPUTS
D1-D4 ; DATA INPUTS/OUTPUTS
CS ; CHIP SELECT INPUT
$\overline{\text{W}}$/R ; $\overline{\text{WRITE}}$/ READ INPUT


A8 16
A9 17
A10 18
A11 19
A0 1
A1 2
A2 3
ADDRESS BUFFER
ROW DECODER
MEMORY CELL ARRAY 16384-BIT (128X128)
D1 12
D2 13
D3 14
D4 15
INPUT DATA CONT.
SENSE SWITCH
COLUMN DECODER
OUTPUT DATA CONT.
A3 4
A4 5
A5 6
A6 7
A7 8
ADDRESS BUFFER
CS 9
W/R 11

uPD4361C-45 (NEC) (ACCESS TIME = 45nS)
uPD4361C-55 (NEC) (ACCESS TIME = 55nS)
uPD4361C-70 (NEC) (ACCESS TIME = 70nS)
C-MOS 65536-BIT (65536x1) STATIC RAM
— TOP VIEW —

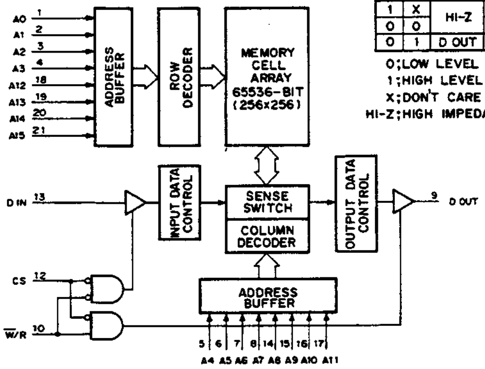

A0 IN 1
A1 IN 2
A2 IN 3
A3 IN 4
A4 IN 5
A5 IN 6
A6 IN 7
A7 IN 8
D-OUT 9
W/R IN 10
11 GND
22 VDD (+5V)
21 A15 IN
20 A14 IN
19 A13 IN
18 A12 IN
17 A11 IN
16 A10 IN
15 A9 IN
14 A8 IN
13 D-IN
12 CS IN


A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15
D IN
D OUT
W/R
CS

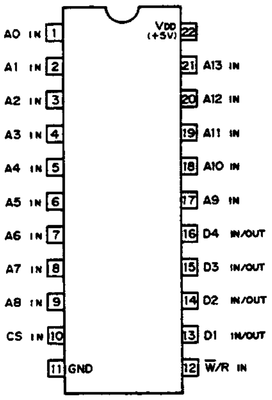
A0-A15;ADDRESS INPUTS
D-IN;DATA INPUT
D-OUT;DATA OUTPUT
$\overline{W}$/R;$\overline{WRITE}$/READ INPUT
CS;CHIP SELECT INPUT

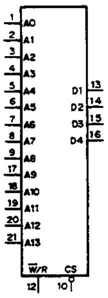
INPUTS		OUTPUT STATUS	MODE
CS	$\overline{W}$/R		
1	X	HI-Z	NO SELECTION
0	0		WRITE
0	1	D OUT	READ

0;LOW LEVEL
1;HIGH LEVEL
X;DON'T CARE
HI-Z;HIGH IMPEDANCE


A0
A1
A2
A3
A12
A13
A14
A15
ADDRESS BUFFER
ROW DECODER
MEMORY CELL ARRAY 65536-BIT (256x256)
D IN
INPUT DATA CONTROL
SENSE SWITCH
COLUMN DECODER
OUTPUT DATA CONTROL
D OUT
CS
W/R
ADDRESS BUFFER
A4 A5 A6 A7 A8 A9 A10 A11

uPD4362C-45 (NEC) (ACCESS TIME = 45 nS)
uPD4362C-55 (NEC) (ACCESS TIME = 55 nS)
uPD4362C-70 (NEC) (ACCESS TIME = 70 nS)
C-MOS 65536-BIT (16384x4) STATIC RAM
— TOP VIEW —

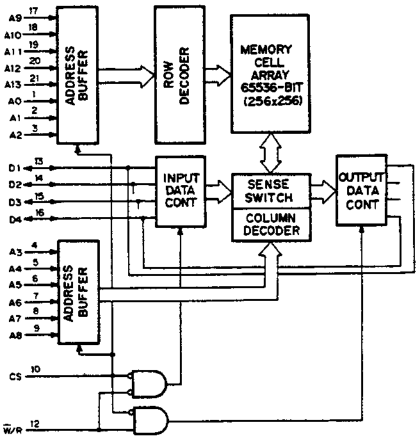

A0 IN 1
A1 IN 2
A2 IN 3
A3 IN 4
A4 IN 5
A5 IN 6
A6 IN 7
A7 IN 8
A8 IN 9
CS IN 10
11 GND
22 VDD (+5V)
21 A13 IN
20 A12 IN
19 A11 IN
18 A10 IN
17 A9 IN
16 D4 IN/OUT
15 D3 IN/OUT
14 D2 IN/OUT
13 D1 IN/OUT
12 W/R IN


A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
D1
D2
D3
D4
W/R
CS

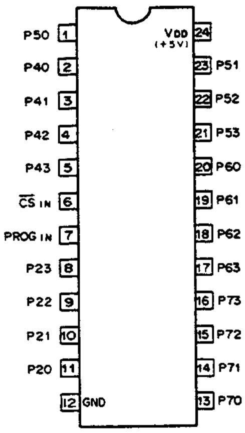
INPUTS		OUTPUT STATUS	MODE
CS	$\overline{W}$/R		
1	X	HI-Z	NO SELECTION
0	0		WRITE
0	1	DOUT	READ

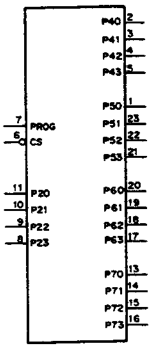
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE

A0-A13 ; ADDRESS INPUTS
D1-D4 ; DATA INPUTS/OUTPUTS
CS ; CHIP SELECT INPUT
$\overline{W}$/R ; $\overline{WRITE}$/READ INPUT


A9
A10
A11
A12
A13
A0
A1
A2
ADDRESS BUFFER
ROW DECODER
MEMORY CELL ARRAY 65536-BIT (256x256)
D1
D2
D3
D4
INPUT DATA CONT
SENSE SWITCH
COLUMN DECODER
OUTPUT DATA CONT
A3
A4
A5
A6
A7
A8
ADDRESS BUFFER
CS
W/R

uPD82C43C (NEC)
uPD82C43CY (NEC)
uPD82C43G (NEC) FLAT PACKAGE
C-MOS I/O PORT EXPANDER
— TOP VIEW —

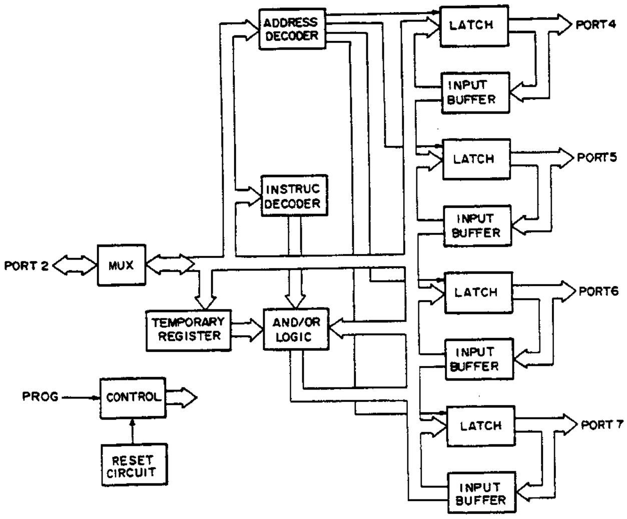

P50 1
P40 2
P41 3
P42 4
P43 5
CS IN 6
PROG IN 7
P23 8
P22 9
P21 10
P20 11
12 GND
VDD (+5V) 24
23 P51
22 P52
21 P53
20 P60
19 P61
18 P62
17 P63
16 P73
15 P72
14 P71
13 P70


PROG
CS
P20
P21
P22
P23
P40
P41
P42
P43
P50
P51
P52
P53
P60
P61
P62
P63
P70
P71
P72
P73
7
6
11
10
9
8
2
3
4
5
1
23
22
21
20
19
18
17
13
14
15
16

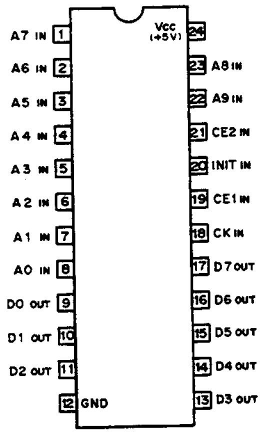
CONTROL AND PORT ADDRESSING

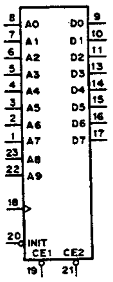
P23	P22	P21	P20	PORT	CONTROL
0	0	0	0	4	READ
0	0	0	1	5	
0	0	1	0	6	
0	0	1	1	7	
0	1	0	0	4	WRITE
0	1	0	1	5	
0	1	1	0	6	
0	1	1	1	7	
1	0	0	0	4	OR
1	0	0	1	5	
1	0	1	0	6	
1	0	1	1	7	
1	1	0	0	4	AND
1	1	0	1	5	
1	1	1	0	6	
1	1	1	1	7	

PROG ; PROGRAM PULSE INPUT
$\overline{\text{CS}}$; CHIP SELECT INPUT
P20~P23 ; I/O PORT 2 (FOR CPU)
P40~P43 ; I/O PORT 4
P50~P53 ; I/O PORT 5
P60~P63 ; I/O PORT 6
P70~P73 ; I/O PORT 7


ADDRESS DECODER
INSTRUC DECODER
PORT 2
MUX
TEMPORARY REGISTER
AND/OR LOGIC
PROG
CONTROL
RESET CIRCUIT
LATCH
INPUT BUFFER
PORT4
LATCH
INPUT BUFFER
PORT5
LATCH
INPUT BUFFER
PORT6
LATCH
INPUT BUFFER
PORT 7

CY7C235-30PC (CYPRESS SEMI.) (ADDRESS SETUP TIME = 30nS)
CY7C235-40PC (CYPRESS SEMI.) (ADDRESS SETUP TIME = 40nS)
MB7232RA-20 (FUJITSU) (CLOCK ACCESS TIME = 20nS)
MB7232RA-25 (FUJITSU) (CLOCK ACCESS TIME = 25nS)
8K (1024x8) REGISTERED OUTPUT PROM (3-STATE OUTPUT)
— TOP VIEW —

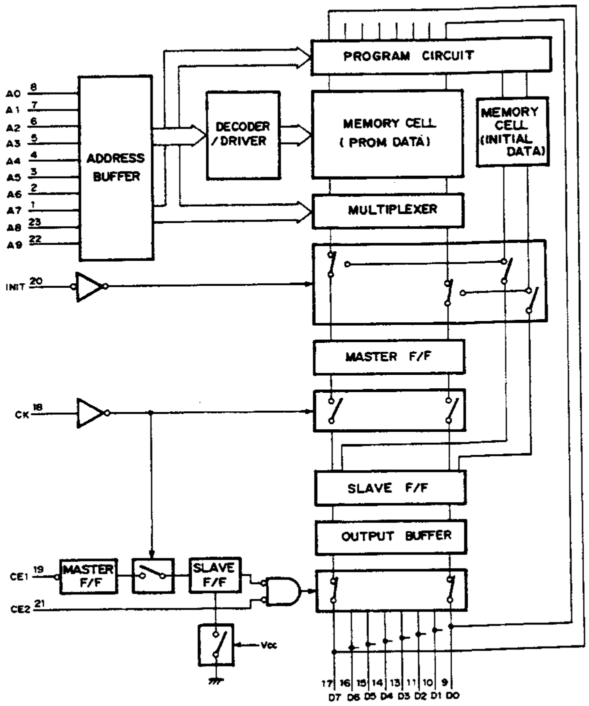

A7 IN 1
A6 IN 2
A5 IN 3
A4 IN 4
A3 IN 5
A2 IN 6
A1 IN 7
A0 IN 8
D0 OUT 9
D1 OUT 10
D2 OUT 11
12 GND
Vcc (+5V) 24
23 A8 IN
22 A9 IN
21 CE2 IN
20 INIT IN
19 CE1 IN
18 CK IN
17 D7 OUT
16 D6 OUT
15 D5 OUT
14 D4 OUT
13 D3 OUT


8 A0
7 A1
6 A2
5 A3
4 A4
3 A5
2 A6
1 A7
23 A8
22 A9
18
20 INIT
CE1
CE2
19
21
D0 9
D1 10
D2 11
D3 13
D4 14
D5 15
D6 16
D7 17

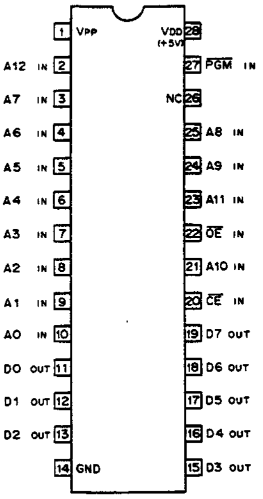
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE

INPUTS				OUTPUTS (D0-D7)
INIT	CK	CE2	CE1	
0	X	0	0	INITIAL DATA
1	↑	0	0	PROM DATA
X	↑	X	1	HI-Z
X	X	1	X	HI-Z

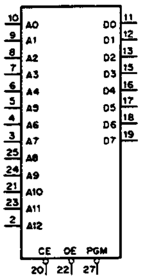
A0-A9 ; ADDRESS INPUTS
D0-D7 ; DATA OUTPUTS
CE2 ; ASYNCHRONOUS CHIP ENABLE INPUT
CE1 ; SYNCHRONOUS CHIP ENABLE INPUT
CK ; CLOCK INPUT
INIT ; ASYNCHRONOUS INTIALIZE INPUT


A0 8
A1 7
A2 6
A3 5
A4 4
A5 3
A6 2
A7 1
A8 23
A9 22
ADDRESS BUFFER
DECODER /DRIVER
PROGRAM CIRCUIT
MEMORY CELL (PROM DATA)
MEMORY CELL (INITIAL DATA)
MULTIPLEXER
INIT 20
MASTER F/F
CK 18
SLAVE F/F
OUTPUT BUFFER
CE1 19
CE2 21
MASTER F/F
SLAVE F/F
Vcc
17 16 15 14 13 11 10 9
D7 D6 D5 D4 D3 D2 D1 D0

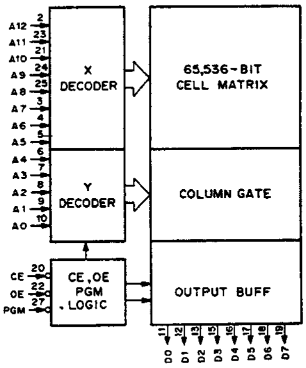
HN27C64G-20 (HITACHI) (ACCESS TIME = 200 nS)
MBM27C64-20 (FUJITSU) (ACCESS TIME = 200 nS)
MBM27C64-25 (FUJITSU) (ACCESS TIME = 250 nS)
MBM27C64-30 (FUJITSU) (ACCESS TIME = 300 nS)
C-MOS 64K (8K-8) ERASABLE PROM WITH 3-STATE OUTPUTS
— TOP VIEW —



1 VPP
2 A12 IN
3 A7 IN
4 A6 IN
5 A5 IN
6 A4 IN
7 A3 IN
8 A2 IN
9 A1 IN
10 A0 IN
11 D0 OUT
12 D1 OUT
13 D2 OUT
14 GND
28 VDD (+5V)
27 PGM IN
26 NC
25 A8 IN
24 A9 IN
23 A11 IN
22 OE IN
21 A10 IN
20 CE IN
19 D7 OUT
18 D6 OUT
17 D5 OUT
16 D4 OUT
15 D3 OUT



10 A0
9 A1
8 A2
7 A3
6 A4
5 A5
4 A6
3 A7
25 A8
24 A9
21 A10
23 A11
2 A12
D0 11
D1 12
D2 13
D3 15
D4 16
D5 17
D6 18
D7 19
CE 20
OE 22
PGM 27



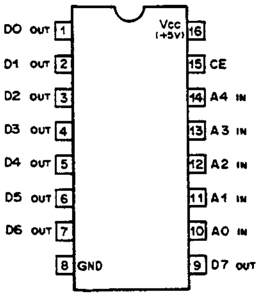
A12 2
A11 23
A10 21
A9 24
A8 25
A7 3
A6 4
A5 5
A4 6
A3 7
A2 8
A1 9
A0 10
X DECODER
Y DECODER
65,536-BIT CELL MATRIX
COLUMN GATE
CE 20
OE 22
PGM 27
CE, OE PGM LOGIC
OUTPUT BUFF
11 D0
12 D1
13 D2
15 D3
16 D4
17 D5
18 D6
19 D7

A0–A12 : ADDRESS
CE : CHIP ENABLE
D0–D7 : DATA OUTPUT
OE : OUTPUT ENABLE
PGM : PROGRAM ENABLE
VPP : PROGRAM VOLTAGE

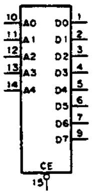
An	CE	OE	PGM	Vpp	Dn	FUNCTION
An	0	0	1	+5V	D OUT	READ
An	0	1	1	+5V	HI-Z	OUTPUT DISABLE
An	0	0	0	+5V	HI-Z	OUTPUT DISABLE
X	1	X	X	+5V	HI-Z	STANDBY
An	0	X	⊔	+21V	DIN	PGM
An	0	0	1	+21V	D OUT	PGM VERIFY
X	1	X	X	+21V	HI-Z	PGM INH

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
HI-Z; HIGH IMPEDANCE

MB7112E (FUJITSU) (ACCESS TIME = 35 nS)
MB7112H (FUJITSU) (ACCESS TIME = 25 nS)
256-BIT (32x8) PROM WITH 3-STATE OUTPUT
— TOP VIEW —



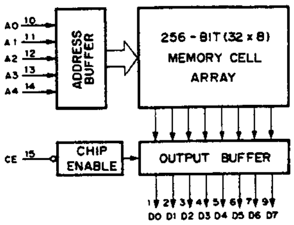
D0 OUT 1
D1 OUT 2
D2 OUT 3
D3 OUT 4
D4 OUT 5
D5 OUT 6
D6 OUT 7
8 GND
16 Vcc (+5V)
15 CE
14 A4 IN
13 A3 IN
12 A2 IN
11 A1 IN
10 A0 IN
9 D7 OUT



10 A0
11 A1
12 A2
13 A3
14 A4
D0 1
D1 2
D2 3
D3 4
D4 5
D5 6
D6 7
D7 9
CE 15

CE	OUTPUT
0	ENABLE
1	HI-Z

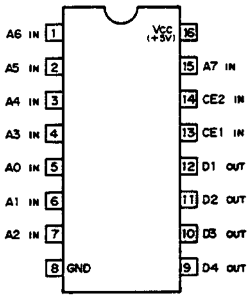
0; LOW LEVEL
1; HIGH LEVEL
HI-Z; HIGH IMPEDANCE



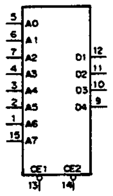
A0 10
A1 11
A2 12
A3 13
A4 14
ADDRESS BUFFER
256-BIT (32 x 8) MEMORY CELL ARRAY
CE 15
CHIP ENABLE
OUTPUT BUFFER
1 D0
2 D1
3 D2
4 D3
5 D4
6 D5
7 D6
9 D7

A0–A4; ADDRESS INPUTS
D0–D7; DATA OUTPUTS
CE ; CHIP ENABLE INPUT

MB7114E (FUJITSU) (ACCESS TIME = 40nS)
MB7114H (FUJITSU) (ACCESS TIME = 30nS)
1024-BIT (256x4) PROM
— TOP VIEW —

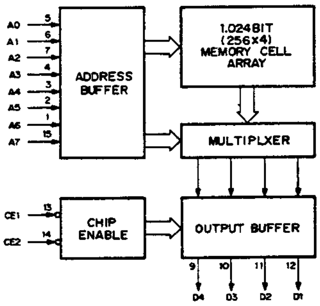


A6 IN 1
A5 IN 2
A4 IN 3
A3 IN 4
A0 IN 5
A1 IN 6
A2 IN 7
8 GND
16 Vcc (+5V)
15 A7 IN
14 CE2 IN
13 CE1 IN
12 D1 OUT
11 D2 OUT
10 D3 OUT
9 D4 OUT



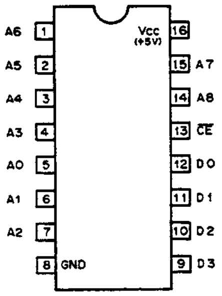
5 A0
6 A1
7 A2
4 A3
3 A4
2 A5
1 A6
15 A7
D1 12
D2 11
D3 10
D4 9
CE1 13
CE2 14

A0–A7 ; ADDRESS INPUTS
D1–D4 ; DATA OUTPUTS
CE1, CE2 ; CHIP ENABLE INPUTS

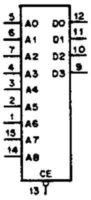


A0 5
A1 6
A2 7
A3 4
A4 3
A5 2
A6 1
A7 15
ADDRESS BUFFER
1,024BIT (256x4) MEMORY CELL ARRAY
MULTIPLXER
CE1 13
CE2 14
CHIP ENABLE
OUTPUT BUFFER
9 D4
10 D3
11 D2
12 D1

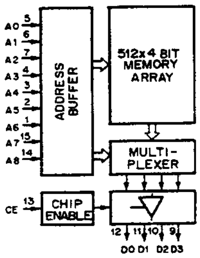
MB7116E (FUJITSU) (ACCESS TIME = 45 nS)
MB7116H (FUJITSU) (ACCESS TIME = 35 nS)
2048-BIT (512x4) PROM WITH 3-STATE OUTPUT
— TOP VIEW —



A6 1
A5 2
A4 3
A3 4
A0 5
A1 6
A2 7
8 GND
16 Vcc (+5V)
15 A7
14 A8
13 CE
12 D0
11 D1
10 D2
9 D3



5 A0
6 A1
7 A2
4 A3
3 A4
2 A5
1 A6
15 A7
14 A8
D0 12
D1 11
D2 10
D3 9
CE 13



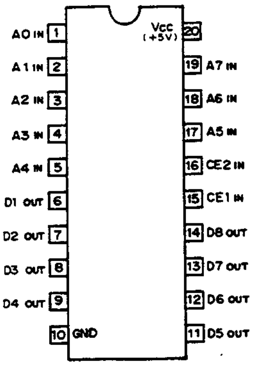
A0 5
A1 6
A2 7
A3 4
A4 3
A5 2
A6 1
A7 15
A8 14
ADDRESS BUFFER
512x4 BIT MEMORY ARRAY
MULTI-PLEXER
CE 13
CHIP ENABLE
12 D0
11 D1
10 D2
9 D3

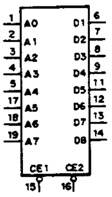
CE	OUTPUT
0	ENABLE
1	HI-Z

A0–A8; ADDRESS INPUT
D0–D3; DATA OUTPUT
CE ; CHIP ENABLE INPUT

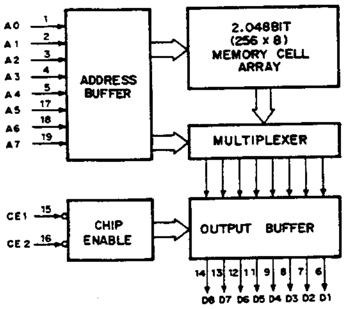
0 ; LOW LEVEL
1 ; HIGH LEVEL
HI-Z ; HIGH IMPEDANCE

MB7118E (FUJITSU) (ACCESS TIME = 45nS)
MB7118H (FUJITSU) (ACCESS TIME = 35nS)
2048-BIT (256x8) PROM
— TOP VIEW —

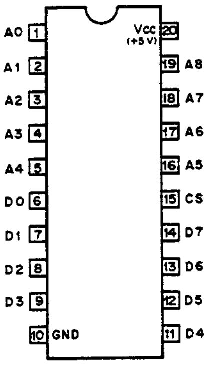

A0 IN 1
A1 IN 2
A2 IN 3
A3 IN 4
A4 IN 5
D1 OUT 6
D2 OUT 7
D3 OUT 8
D4 OUT 9
10 GND
Vcc (+5V) 20
19 A7 IN
18 A6 IN
17 A5 IN
16 CE2 IN
15 CE1 IN
14 D8 OUT
13 D7 OUT
12 D6 OUT
11 D5 OUT

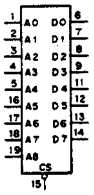

A0
A1
A2
A3
A4
A5
A6
A7
D1
D2
D3
D4
D5
D6
D7
D8
CE1
CE2

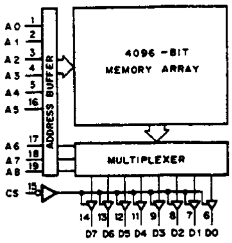
A0–A7 ; ADDRESS INPUTS
D1–D8 ; DATA OUTPUTS
CE1,CE2 ; CHIP ENABLE INPUTS


A0
A1
A2
A3
A4
A5
A6
A7
ADDRESS BUFFER
2.048BIT (256 x 8) MEMORY CELL ARRAY
MULTIPLEXER
CE1
CE2
CHIP ENABLE
OUTPUT BUFFER
D8 D7 D6 D5 D4 D3 D2 D1

MB7124EZ (FUJITSU)
MB7124HZ (FUJITSU)
4096-BIT (512x8) PROM WITH 3-STATE OUTPUT
— TOP VIEW —


A0 1
A1 2
A2 3
A3 4
A4 5
D0 6
D1 7
D2 8
D3 9
10 GND
Vcc (+5V) 20
19 A8
18 A7
17 A6
16 A5
15 CS
14 D7
13 D6
12 D5
11 D4


A0
A1
A2
A3
A4
A5
A6
A7
A8
D0
D1
D2
D3
D4
D5
D6
D7
CS

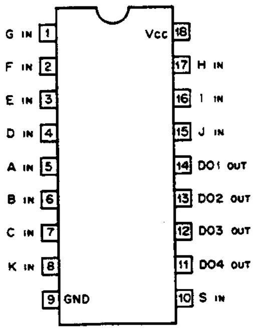

A0
A1
A2
A3
A4
A5
A6
A7
A8
CS
ADDRESS BUFFER
4096-BIT MEMORY ARRAY
MULTIPLEXER
D7 D6 D5 D4 D3 D2 D1 D0

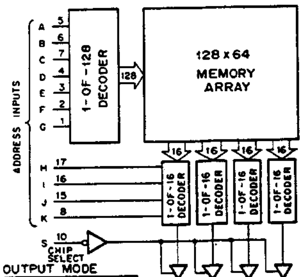
CS	OUTPUT
0	ENABLE
1	HI-Z

0 ; LOW LEVEL
1 ; HIGH LEVEL
HI-Z ; HIGH IMPEDANCE

A0–A8 ; ADDRESS INPUTS
D0–D7 ; DATA OUTPUTS
CS ; CHIP SELECT INPUT

MB7128E (FUJITSU) (ACCESS TIME = 55 nS)
MB7128H (FUJITSU) (ACCESS TIME = 45 nS)
8192-BIT (2048x4) PROM WITH 3-STATE OUTPUTS
— TOP VIEW —


G IN 1
F IN 2
E IN 3
D IN 4
A IN 5
B IN 6
C IN 7
K IN 8
9 GND
Vcc 18
17 H IN
16 I IN
15 J IN
14 DO1 OUT
13 DO2 OUT
12 DO3 OUT
11 DO4 OUT
10 S IN


ADDRESS INPUTS
A
B
C
D
E
F
G
H
I
J
K
1-OF-128 DECODER
128
128 x 64 MEMORY ARRAY
16
1-OF-16 DECODER
S
CHIP SELECT
11 12 13 14
DO4 DO3 DO2 DO1
DATA OUTPUTS

OUTPUT MODE

CHIP SEL S	OUTPUT
0	ENABLE
I	HI-IMPEDANCE

WORD/ADDRESS TABLE

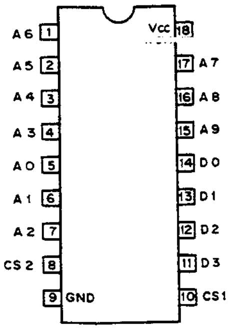
WORD	ADDRESS INPUTS										
	K	J	I	H	G	F	E	D	C	B	A
0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	1	0
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
2045	1	1	1	1	1	1	1	1	1	0	1
2046	1	1	1	1	1	1	1	1	1	1	0
2047	1	1	1	1	1	1	1	1	1	1	1

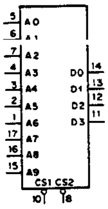
DATA CODE		ACTUAL DATA			
		DO4	DO3	DO2	DO1
0	0	0	0	0	0
1	1	0	0	0	1
2	2	0	0	1	0
3	3	0	0	1	1
4	4	0	1	0	0
5	5	0	1	0	1
6	6	0	1	1	0
7	7	0	1	1	1
8	8	1	0	0	0
9	9	1	0	0	1
10	A	1	0	1	0
11	B	1	0	1	1
12	C	1	1	0	0
13	D	1	1	0	1
14	E	1	1	1	0
15	F	1	1	1	1

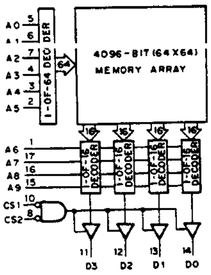
IN HEXADECIMAL
IN DECIMAL

0: LOW LEVEL
1 : HIGH LEVEL

MB7122E (FUJITSU) (ACCESS TIME = 45 nS)
MB7122H (FUJITSU) (ACCESS TIME = 35 nS)
MB7122N (FUJITSU) (ACCESS TIME = 60 nS)
4096-BIT (1024x4) PROM WITH 3-STATE OUTPUT
— TOP VIEW —


A6 1
A5 2
A4 3
A3 4
A0 5
A1 6
A2 7
CS2 8
9 GND
Vcc 18
17 A7
16 A8
15 A9
14 D0
13 D1
12 D2
11 D3
10 CS1


A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
D0
D1
D2
D3
CS1 CS2

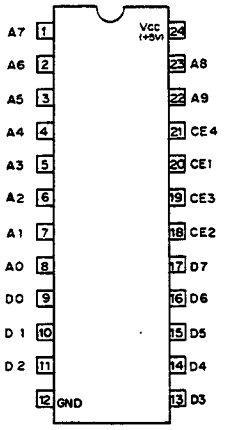

A0
A1
A2
A3
A4
A5
1-OF-64 DECODER
64
4096-BIT (64 X 64) MEMORY ARRAY
16
1-OF-16 DECODER
A6
A7
A8
A9
CS1
CS2
D3 D2 D1 D0

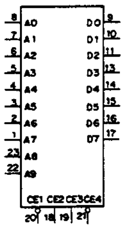
CHIP SEL		OUTPUT
CS2	CS1	
0	0	ENABLE
X	1	HI-Z
1	X	

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
Hi-Z ; HIGH IMPEDANCE

A0–A9 ; ADDRESS INPUTS
D0–D3 ; DATA OUTPUTS
CS1,CS2 ; CHIP SELECT INPUTS

MB7132E (FUJITSU) (ACCESS TIME = 55 nS MAX)
MB7132H (FUJITSU) (ACCESS TIME = 45 nS MAX)
MB7132Y (FUJITSU) (ACCESS TIME = 35 nS MAX)
8192-BIT (1024x8) PROM WITH 3-STATE OUTPUT
— TOP VIEW —

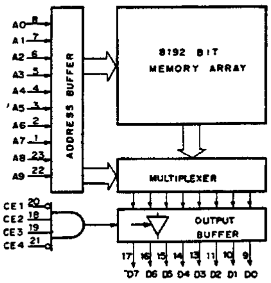

A7 1
A6 2
A5 3
A4 4
A3 5
A2 6
A1 7
A0 8
D0 9
D1 10
D2 11
12 GND
Vcc (+5V) 24
23 A8
22 A9
21 CE4
20 CE1
19 CE3
18 CE2
17 D7
16 D6
15 D5
14 D4
13 D3


8 A0
7 A1
6 A2
5 A3
4 A4
3 A5
2 A6
1 A7
23 A8
22 A9
D0 9
D1 10
D2 11
D3 13
D4 14
D5 15
D6 16
D7 17
CE1 CE2 CE3 CE4
20 18 19 21

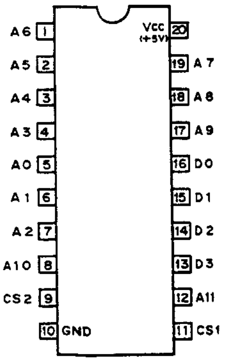
CHIP ENABLE				OUTPUT
$\overline{\text{CE4}}$	CE3	CE2	$\overline{\text{CE1}}$	
0	1	1	0	ENABLE
X	X	X	1	HIGH IMPEDANCE
X	X	0	X	
X	0	X	X	
1	X	X	X	

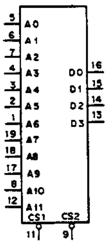
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

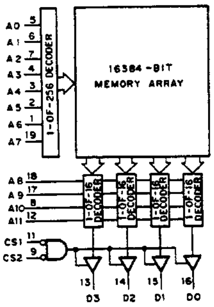
A0—A9 ; ADDRESS INPUTS
D0—D7 ; DATA OUTPUTS
CE1—CE4 ; CHIP ENABLE INPUTS


A0 8
A1 7
A2 6
A3 5
A4 4
A5 3
A6 2
A7 1
A8 23
A9 22
ADDRESS BUFFER
8192 BIT MEMORY ARRAY
MULTIPLEXER
CE1 20
CE2 18
CE3 19
CE4 21
OUTPUT BUFFER
17 16 15 14 13 11 10 9
D7 D6 D5 D4 D3 D2 D1 D0

MB7134E (FUJITSU) (ACCESS TIME = 45 nS)
MB7134H (FUJITSU) (ACCESS TIME = 55 nS)
MB7134Y (FUJITSU) (ACCESS TIME = 35 nS)
16384-BIT (4096x4) PROM WITH 3-STATE OUTPUT
— TOP VIEW —


A6 1
A5 2
A4 3
A3 4
A0 5
A1 6
A2 7
A10 8
CS2 9
10 GND
Vcc (+5V) 20
19 A7
18 A8
17 A9
16 D0
15 D1
14 D2
13 D3
12 A11
11 CS1


5 A0
6 A1
7 A2
4 A3
3 A4
2 A5
1 A6
19 A7
18 A8
17 A9
8 A10
12 A11
D0 16
D1 15
D2 14
D3 13
CS1 CS2
11 9

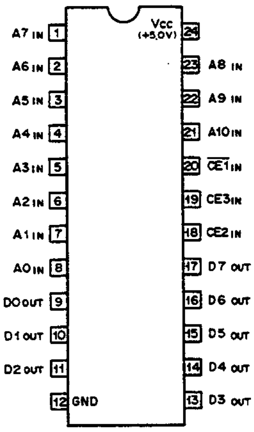

A0 5
A1 6
A2 7
A3 4
A4 3
A5 2
A6 1
A7 19
1-OF-256 DECODER
16384-BIT MEMORY ARRAY
A8 18
A9 17
A10 8
A11 12
1-OF-16 DECODER
CS1 11
CS2 9
13 14 15 16
D3 D2 D1 D0

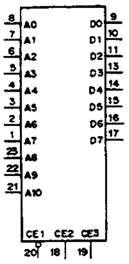
CHIP SEL		OUTPUT
CS2	CS1	
0	0	ENABLE
X	1	HI-Z
1	X	

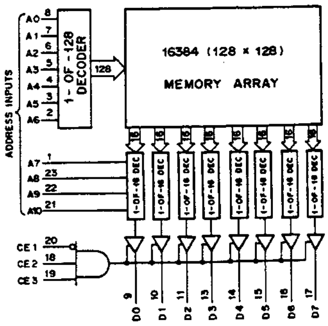
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE

A0-A11 ; ADDRESS INPUTS
D0-D3 ; DATA OUTPUTS
CS1,CS2 ; CHIP SELECT INPUTS

MB7138E (FUJITSU) (ACCESS TIME = 55 nS)
MB7138H (FUJITSU) (ACCESS TIME = 45 nS)
MB7138HSK (FUJITSU) (ACCESS TIME = 45 nS)
MB7138Y (FUJITSU) (ACCESS TIME = 35 nS)
MB7138YSK (FUJITSU) (ACCESS TIME = 35 nS)
16384-BIT (2048x8) PROM WITH 3-STATE OUTPUTS
— TOP VIEW —


A7 IN 1
A6 IN 2
A5 IN 3
A4 IN 4
A3 IN 5
A2 IN 6
A1 IN 7
A0 IN 8
D0 OUT 9
D1 OUT 10
D2 OUT 11
12 GND
Vcc (+5.0V) 24
23 A8 IN
22 A9 IN
21 A10 IN
20 CE1 IN
19 CE3 IN
18 CE2 IN
17 D7 OUT
16 D6 OUT
15 D5 OUT
14 D4 OUT
13 D3 OUT


8 A0
7 A1
6 A2
5 A3
4 A4
3 A5
2 A6
1 A7
23 A8
22 A9
21 A10
D0 9
D1 10
D2 11
D3 13
D4 14
D5 15
D6 16
D7 17
CE1 CE2 CE3
20 18 19


A0 8
A1 7
A2 6
A3 5
A4 4
A5 3
A6 2
ADDRESS INPUTS
1-OF-128 DECODER
128
16384 (128 × 128) MEMORY ARRAY
16
A7 1
A8 23
A9 22
A10 21
1-OF-16 DEC
CE1 20
CE2 18
CE3 19
9 10 11 13 14 15 16 17
D0 D1 D2 D3 D4 D5 D6 D7

CHIP SEL			OUTPUT
$\overline{\text{CE1}}$	CE2	CE3	
0	1	1	ENABLE
1	0	X	HI-IMPEDANCE
1	X	0	

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

WORD / ADDRESS TABLE

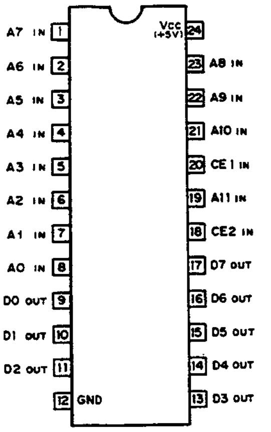
WORD	ADDRESS INPUT										
	A10	A9	A8	A7	A6	A5	A4	A3	A2	A1	A0
0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	1	0
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
2045	1	1	1	1	1	1	1	1	1	0	1
2046	1	1	1	1	1	1	1	1	1	1	0
2047	1	1	1	1	1	1	1	1	1	1	1

DATA CODE / ACTUAL DATA

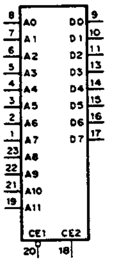
DATA CODE		ACTUAL DATA							
		D7	D6	D5	D4	D3	D2	D1	D0
0	00	0	0	0	0	0	0	0	0
1	01	0	0	0	0	0	0	0	1
2	02	0	0	0	0	0	0	1	0
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
8	08	0	0	0	0	1	0	0	0
9	09	0	0	0	0	1	0	0	1
10	0A	0	0	0	0	1	0	1	0
11	0B	0	0	0	0	1	0	1	1
12	0C	0	0	0	0	1	1	0	0
13	0D	0	0	0	0	1	1	0	1
14	0E	0	0	0	0	1	1	1	0
15	0F	0	0	0	0	1	1	1	1
16	10	0	0	0	1	0	0	0	0
17	11	0	0	0	1	0	0	0	1
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
238	EE	1	1	1	0	1	1	1	0
239	EF	1	1	1	0	1	1	1	1
240	F0	1	1	1	1	0	0	0	0
241	F1	1	1	1	1	0	0	0	1
242	F2	1	1	1	1	0	0	1	0
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
248	F8	1	1	1	1	1	0	0	0
249	F9	1	1	1	1	1	0	0	1
250	FA	1	1	1	1	1	0	1	0
251	FB	1	1	1	1	1	0	1	1
252	FC	1	1	1	1	1	1	0	0
253	FD	1	1	1	1	1	1	0	1
254	FE	1	1	1	1	1	1	1	0
255	FF	1	1	1	1	1	1	1	1

IN HEXADECIMAL
IN DECIMAL

MB7142E (FUJITSU) (ACCESS TIME = 65 nS)
MB7142H (FUJITSU) (ACCESS TIME = 55 nS)
32768 BIT (4096x8) PROM WITH 3-STATE OUTPUTS
— TOP VIEW —



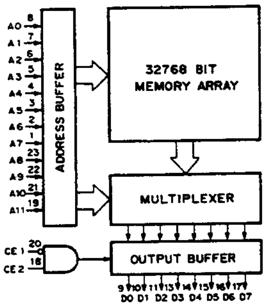
A7 IN 1
A6 IN 2
A5 IN 3
A4 IN 4
A3 IN 5
A2 IN 6
A1 IN 7
A0 IN 8
D0 OUT 9
D1 OUT 10
D2 OUT 11
12 GND
13 D3 OUT
14 D4 OUT
15 D5 OUT
16 D6 OUT
17 D7 OUT
18 CE2 IN
19 A11 IN
20 CE1 IN
21 A10 IN
22 A9 IN
23 A8 IN
Vcc (+5V) 24



A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
D0
D1
D2
D3
D4
D5
D6
D7
CE1
CE2

CHIP SEL		OUTPUT
CE1	CE2	
0	1	ENABLE
1	X	HI-Z
X	0	

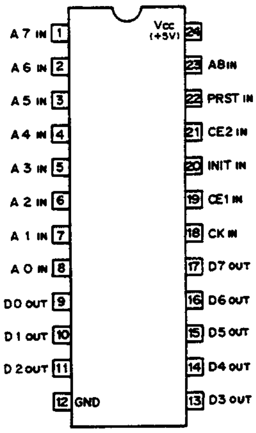
1; HIGH LEVEL
0; LOW LEVEL
X; DON'T CARE
HI-Z; HI IMPEDANCE



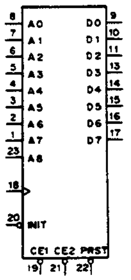
ADDRESS BUFFER
32768 BIT MEMORY ARRAY
MULTIPLEXER
OUTPUT BUFFER
CE1
CE2
D0 D1 D2 D3 D4 D5 D6 D7

A0 – A11 ; ADDRESS INPUTS
D0 – D7 ; DATA OUTPUTS
CE1, CE2 ; CHIP ENABLE INPUTS

MB7226RA-20 (FUJITSU) (ACCESS TIME = 20nS)
MB7226RA-25 (FUJITSU) (ACCESS TIME = 25nS)
4096-BIT (512x8) REGISTERED OUTPUT PROM (3-STATE OUTPUT)
— TOP VIEW —



A7 IN 1
A6 IN 2
A5 IN 3
A4 IN 4
A3 IN 5
A2 IN 6
A1 IN 7
A0 IN 8
D0 OUT 9
D1 OUT 10
D2 OUT 11
12 GND
13 D3 OUT
14 D4 OUT
15 D5 OUT
16 D6 OUT
17 D7 OUT
18 CK IN
19 CE1 IN
20 INIT IN
21 CE2 IN
22 PRST IN
23 A8 IN
Vcc (+5V) 24

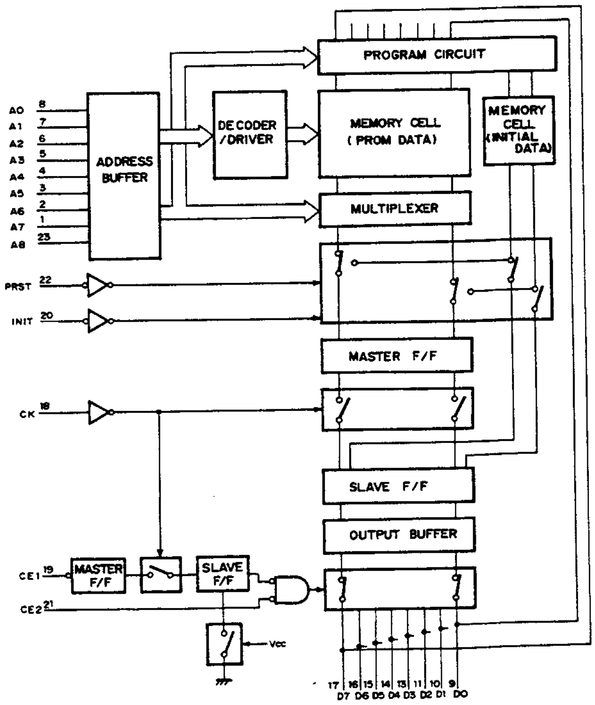


A0
A1
A2
A3
A4
A5
A6
A7
A8
INIT
D0
D1
D2
D3
D4
D5
D6
D7
CE1 CE2 PRST

0; LOW LEVEL
1; HGIH LEVEL
X; DON'T CARE
HI-Z; HIGH IMPEDANCE

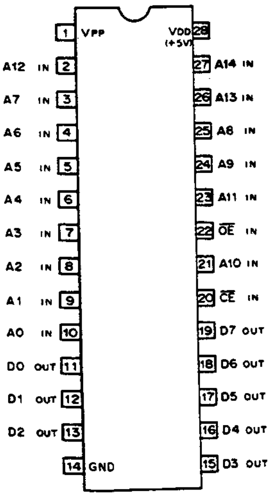
INPUTS					OUTPUTS (D0–D7)
PRST	INIT	CK	CE2	CE1	
0	0	X	0	0	1
0	1	X	0	0	INITIAL DATA (1)
1	0	X	0	0	INITIAL DATA
1	1	⨍	0	0	PROM DATA
X	X	⨍	X	1	HI-Z
X	X	X	1	X	HI-Z

A0–A8 ; ADDRESS INPUTS
D0–D7 ; DATA OUTPUTS
CE2 ; ASYNCHRONOUS CHIP ENABLE INPUT
CE1 ; SYNCHRONOUS CHIP ENABLE INPUT
CK ; CLOCK INPUT
PRST ; ASYNCHRONOUS PRESET INPUT
INIT ; ASYNCHRONOUS INITIALIZE INPUT

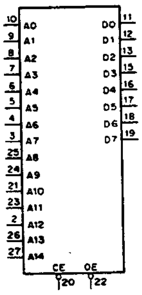


PROGRAM CIRCUIT
ADDRESS BUFFER
DECODER /DRIVER
MEMORY CELL (PROM DATA)
MEMORY CELL (INITIAL DATA)
MULTIPLEXER
MASTER F/F
SLAVE F/F
OUTPUT BUFFER
MASTER F/F
SLAVE F/F
A0
A1
A2
A3
A4
A5
A6
A7
A8
PRST
INIT
CK
CE1
CE2
Vcc
D7 D6 D5 D4 D3 D2 D1 D0

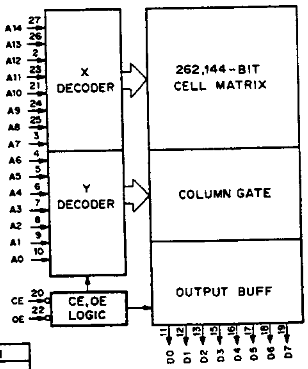
MBM27C256-20 (FUJITSU) (ACCESS TIME = 200 nS)
MBM27C256-25 (FUJITSU) (ACCESS TIME = 250 nS)
TC57256D-25 (TOSHIBA) (ACCESS TIME = 250 nS)
uPD27C256AD-12 (NEC) (ACCESS TIME = 120 nS)
C-MOS 256K (32K-8) ERASABLE PROM WITH 3-STATE OUTPUTS
— TOP VIEW —



1 VPP
A12 IN 2
A7 IN 3
A6 IN 4
A5 IN 5
A4 IN 6
A3 IN 7
A2 IN 8
A1 IN 9
A0 IN 10
D0 OUT 11
D1 OUT 12
D2 OUT 13
14 GND
15 D3 OUT
16 D4 OUT
17 D5 OUT
18 D6 OUT
19 D7 OUT
20 CE IN
21 A10 IN
22 OE IN
23 A11 IN
24 A9 IN
25 A8 IN
26 A13 IN
27 A14 IN
VDD (+5V) 28



A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
D0
D1
D2
D3
D4
D5
D6
D7
CE
OE



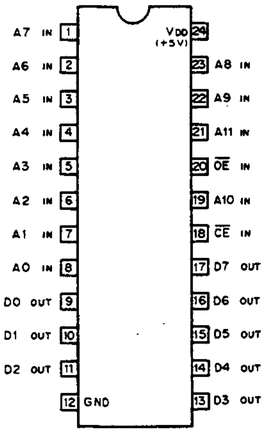
X DECODER
Y DECODER
262,144-BIT CELL MATRIX
COLUMN GATE
OUTPUT BUFF
CE, OE LOGIC
CE
OE
D0 D1 D2 D3 D4 D5 D6 D7

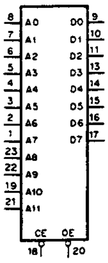
A0 – A12 : ADDRESS
CE : CHIP ENABLE
D0 – D7 : DATA OUTPUT
OE : OUTPUT ENABLE
Vpp ; PROGRAM POWER SUPPLY

An	CE	OE	Vpp	Dn	FUNCTION
An	0	0	+5V	D OUT	READ
An	0	1	+5V	HI-Z	OUTPUT DISABLE
X	1	X	+5V	HI-Z	STANDBY
An	0	1	+21V	D IN	PGM
An	0	0	+21V	D OUT	PGM VERIFY
X	1	X	+21V	HI-Z	PGM INH

0 : LOW LEVEL
1 : HIGH LEVEL
X : DON'T CARE
HI-Z : HIGH IMPEDANCE

MBM27C32A-20 (FUJITSU) (ACCESS TIME = 200 nS)
MBM27C32A-25 (FUJITSU) (ACCESS TIME = 250 nS)
MBM27C32A-30 (FUJITSU) (ACCESS TIME = 300 nS)
C-MOS 32K (4Kx8) UV EPROM
— TOP VIEW —

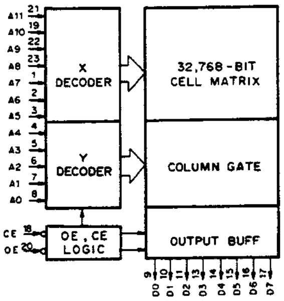

A7 IN 1
A6 IN 2
A5 IN 3
A4 IN 4
A3 IN 5
A2 IN 6
A1 IN 7
A0 IN 8
D0 OUT 9
D1 OUT 10
D2 OUT 11
12 GND
VDD (+5V) 24
23 A8 IN
22 A9 IN
21 A11 IN
20 $\overline{OE}$ IN
19 A10 IN
18 $\overline{CE}$ IN
17 D7 OUT
16 D6 OUT
15 D5 OUT
14 D4 OUT
13 D3 OUT


8 A0
7 A1
6 A2
5 A3
4 A4
3 A5
2 A6
1 A7
23 A8
22 A9
19 A10
21 A11
D0 9
D1 10
D2 11
D3 13
D4 14
D5 15
D6 16
D7 17
CE 18
OE 20

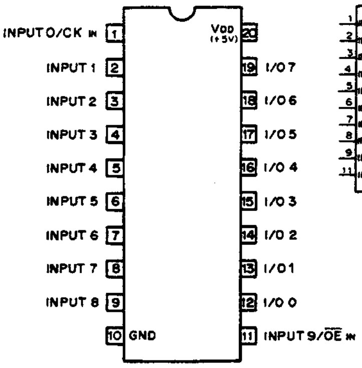
IN		OUT	FUNCTION
CE	OE	Dn	
0	0	DENTERED	READ
1	X	HIGH Z	STANDBY

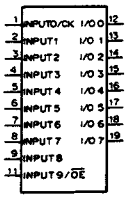
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
HIGH Z; HIGH IMPEDANCE

A0-A11 ; ADDRESS
CE ; CHIP ENABLE
OE ; OUTPUT ENABLE
D0-D7 ; DATA OUTPUTS


A11 21
A10 19
A9 22
A8 23
A7 1
A6 2
A5 3
A4 4
A3 5
A2 6
A1 7
A0 8
X DECODER
Y DECODER
32,768-BIT CELL MATRIX
COLUMN GATE
OUTPUT BUFF
CE 18
OE 20
OE, CE LOGIC
9 D0
10 D1
11 D2
13 D3
14 D4
15 D5
16 D6
17 D7

VP16V8E (VLSI TECHNOLOGY)
C-MOS GENERIC ARRAY LOGIC
— TOP VIEW —

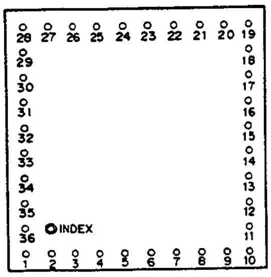

INPUT 0/CK IN 1
INPUT 1 2
INPUT 2 3
INPUT 3 4
INPUT 4 5
INPUT 5 6
INPUT 6 7
INPUT 7 8
INPUT 8 9
10 GND
VDD (+5V) 20
19 I/O 7
18 I/O 6
17 I/O 5
16 I/O 4
15 I/O 3
14 I/O 2
13 I/O 1
12 I/O 0
11 INPUT 9/$\overline{OE}$ IN

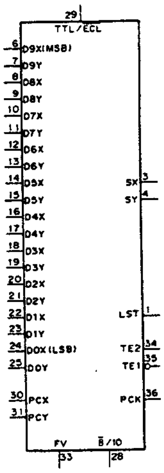

1 INPUT0/CK
2 INPUT1
3 INPUT2
4 INPUT3
5 INPUT4
6 INPUT5
7 INPUT6
8 INPUT7
9 INPUT8
11 INPUT9/$\overline{OE}$
I/O 0 12
I/O 1 13
I/O 2 14
I/O 3 15
I/O 4 16
I/O 5 17
I/O 6 18
I/O 7 19

* ABOVE DIAGRAM SHOWS CONDITIONS BEFORE WRITING OF DATA.

SBX1601 (SONY)

8- OR 10-BIT PARALLEL-TO-SERIAL CONVERTER
- TOP VIEW -


28 27 26 25 24 23 22 21 20 19
29 30 31 32 33 34 35 36
18 17 16 15 14 13 12 11
INDEX
1 2 3 4 5 6 7 8 9 10


29 TTL/$\overline{ECL}$
6 D9X(MSB)
7 D9Y
8 D8X
9 D8Y
10 D7X
11 D7Y
12 D6X
13 D6Y
14 D5X
15 D5Y
16 D4X
17 D4Y
18 D3X
19 D3Y
20 D2X
21 D2Y
22 D1X
23 D1Y
24 D0X(LSB)
25 D0Y
30 PCX
31 PCY
SX 3
SY 4
LST 1
TE2 34
TE1 35
PCK 36
FV 33
$\overline{8}$/10 28

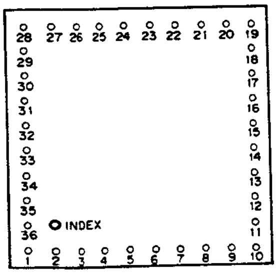
INPUT
D9X – D0X, D9Y – D0Y :
PARALLEL DATA INPUTS
PCX, PCY : PARALLEL CLOCK INPUTS
FV : VCO FREQ. ADJ. INPUT
$\overline{8}$/10 : 10BIT/$\overline{8BIT}$ SELECT INPUT
TE1 : TEST TERMINAL (LOW = TEST)
TTL/$\overline{ECL}$: INPUT LEVEL SELECT
(+5V = TTL, GND = ECL)

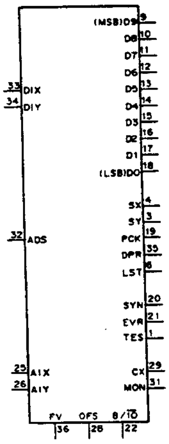
OUTPUT
LST : PLL LOCK DETECT OUTPUT (H : LOCK)
PCK : PARALLEL CLOCK OUTPUT
SX, SY : SERIAL DATA OUTPUTS
TE2 : TEST TERMINAL

PIN	I/O	SYMBOL	PIN	I/O	SYMBOL	PIN	I/O	SYMBOL	PIN	I/O	SYMBOL
1	O	LST	10	I	D7X	19	I	D3Y	28	I	$\overline{8}$/10
2	—	GND	11	I	D7Y	20	I	D2X	29	—	TTL/$\overline{ECL}$
3	O	SX	12	I	D6X	21	I	D2Y	30	I	PCX
4	O	SY	13	I	D6Y	22	I	D1X	31	I	PCY
5	—	GND	14	I	D5X	23	I	D1Y	32	—	GND
6	I	D9X(MSB)	15	I	D5Y	24	I	D0X(LSB)	33	I	FV
7	I	D9Y	16	I	D4X	25	I	D0Y	34	O	TE2
8	I	D8X	17	I	D4Y	26	—	VEE(–5V)	35	I	TE1
9	I	D8Y	18	I	D3X	27	—	VEL(–3.5V)	36	O	PCK

SBX1602 (SONY)

8- OR 10-BIT SERIAL-TO-PARALLEL CONVERTER
- TOP VIEW -


28 27 26 25 24 23 22 21 20 19
29 30 31 32 33 34 35 36
18 17 16 15 14 13 12 11
INDEX
1 2 3 4 5 6 7 8 9 10


33 DIX
34 DIY
32 ADS
25 AIX
26 AIY
(MSB)D9 9
D8 10
D7 11
D6 12
D5 13
D4 14
D3 15
D2 16
D1 17
(LSB)D0 18
SX 4
SY 3
PCK 19
DPR 35
LST 6
SYN 20
EVR 21
TES 1
CX 29
MON 31
FV 36
OFS 28
8/$\overline{10}$ 22

INPUT
ADS : SERIAL DATA SELECT INPUT (H : DI, L : AI)
AIX, AIY : EQUALIZER INPUTS
DIX, DIY : SERIAL DATA INPUTS
OFS : AGC OFFSET ADJ. INPUT
8/$\overline{10}$: 8BIT/$\overline{10BIT}$ SELECT INPUT
FV : VCO FREQ. ADJ. INPUT

OUTPUT
CX : EQUALIZER DETECT OUTPUT (L : NO INPUT)
D9 – D0 : PARALLEL DATA OUTPUTS
DPR : SERIAL DATA DETECT OUTPUT (L : NO INPUT)
EVR : REFERENCE VOLTAGE FOR PARALLEL OUTPUT
LST : PLL LOCK DETECT OUTPUT (H : LOCK)
MON : EQUALIZER MONITOR OUTPUT
PCK : PARALLEL CLOCK OUTPUT
SX, SY : SERIAL DATA OUTPUTS
SYN : TRS DETECT OUTPUT
TES : TEST TERMINAL

PIN	I/O	SYMBOL	PIN	I/O	SYMBOL	PIN	I/O	SYMBOL	PIN	I/O	SYMBOL
1	O	TES	10	O	D8	19	O	PCK	28	I	OFS
2	—	GND	11	O	D7	20	O	SYN	29	O	CX
3	O	SY	12	O	D6	21	O	EVR	30	—	GND
4	O	SX	13	O	D5	22	I	8/$\overline{10}$	31	O	MON
5	—	GND	14	O	D4	23	—	VEE2(–5V)	32	I	ADS
6	O	LST	15	O	D3	24	—	GND	33	I	DIX
7	—	VEE1(–5V)	16	O	D2	25	I	AIX	34	I	DIY
8	—	VEL(–3.5V)	17	O	D1	26	I	AIY	35	O	DPR
9	O	D9(MSB)	18	O	D0(LSB)	27	—	GND	36	I	FV

SECTION D
REPLACEABLE PARTS AND OPTIONAL FIXTURE

補修用部品注意事項

(1) 安全重要部品

回路図，分解図，電気部品表中，⚠ 印及び▨で囲まれた部品は安全性を維持するために重要な部品です。従ってこれらの部品を交換するときには必ず指定の部品と交換して下さい。

(2) 部品の共通化

ソニーから供給される部品はセットに実装されているものと異なることがあります。これは部品の共通化，改良等によるものです。

分解図や電気部品表には現時点での共通化された部品が記載されています。

(3) 部品の変更

部品の変更に関する情報は第E章「CHANGED PARTS」を参照して下さい。

(4) 部品の在庫

部品表のSP (Supply code) 欄にｏで示される部品は交換頻度が低い部品ですので在庫していないことがあり，納期が長くなることがあります。

(5) コンデンサー，インダクター，抵抗の単位

回路図，分解図，電気部品表中，特に明記したものを除き，下記の単位は省略されています。

コンデンサー：μF
インダクター：μH
抵抗　：Ω

Notes on Repair Parts

(1) Safety Related Components Warning

Components identified by shading marked with ⚠ on the schematic diagrams, exploded views and electrical spare parts list are critical to safe operation. Replace these components with Sony parts whose part numbers appear in this manual or in service bulletins and service manual supplements published by Sony.

(2) Standardization of Parts

Repair parts supplied from Sony Parts Center may not be always identical with the parts which actually in use due to "accommodating the improved parts and/or engineering changes" or "standardization of genuine parts".

This manual's exploded views and electrical spare parts list are indicating the part numbers of "the standardized genuine parts at present".

(3) Change of Parts

Regarding engineering parts changes, refer to Section E. "CHANGED PARTS".

(4) Stock of Parts

Parts marked with "o" SP (Supply Code) column of the spare parts list are not normally required for routine service work. Orders for parts marked with "o" will be processed, but allow for additional delivery time.

(5) Units for Capacitors, Inductors and Resistors

The following units are assumed in schematic diagrams, electrical parts list and exploded views unless otherwise specified:

Capacitors; μF
Inductors; μH
Resistors; ohm

MAIN ASS'Y

MAIN ASSEMBLY, DVPC-1000

No.	Part No.	SP	Description
A01	A-6003-029-A	o	PANEL ASSY, FRONT
A02	A-6049-029-B	o	STOPPER ASSY, PC BOARD
X01	X-3715-394-1	o	PANEL (P) ASSY, FRONT
101	1-570-052-11	s	SWITCH, PUSH (POWER)
201	2-388-223-01	o	NUT, HEXAGON
301	3-153-721-01	o	CATCHER, BALL
302	3-680-316-11	o	NUT (M4), STOPPER
303	3-688-834-01	o	SUPPORT (A), AU
304	3-715-610-01	s	KNOB, PS
305	3-715-704-01	o	TABEL, FOOT
306	3-715-707-01	o	CASTER (G7PS)
307	3-715-713-01	o	HINGE
308	3-715-714-01	o	ADJUSTOR
309	3-715-784-01	o	PLATE (RIGHT), OUTER
310	3-715-785-01	o	PLATE (LEFT), OUTER
311	3-715-786-01	o	PLATE, TOP
701	7-623-210-22	s	SW4, TYPE2
702	7-682-248-09	s	SCREW, +K 3X8
703	7-682-561-09	s	SCREW, +B 4X8
704	7-682-562-04	s	SCREW, +B 4X10
705	7-682-565-09	o	SCREW, +B 4X16
706	7-682-904-11	s	SCREW, +PWH 4X8
707	7-682-947-01	s	SCREW, +PSW 3X6
708	7-682-961-01	s	SCREW, +PSW 4X8
709	7-683-421-04	s	SCREW, C 4X12
710	7-685-903-11	s	SCREW, +PTPWH 3X6 (TYPE2)
711	7-688-004-12	s	W 4, MIDDLE

CARD RACK ASSEMBLY, DVPC-1000

No.	Part No.	SP	Description
A01	A-6013-083-A	o	COMPLETE PCB, AT-45
A02	A-6019-001-A	o	COMPLETE PCB, AA-29
A03	A-6019-002-A	o	COMPLETE PCB, VA-45
	A-6019-003-A	o	COMPLETE PCB, PG-13
	A-6019-004-A	o	COMPLETE PCB, IF-139
	A-6019-005-A	o	COMPLETE PCB, AU-86
	A-6019-006-A	o	COMPLETE PCB, AE-06
	A-6019-007-A	o	COMPLETE PCB, VE-12
	A-6019-008-A	o	COMPLETE PCB, IE-17
	A-6019-009-A	o	COMPLETE PCB, TG-28
	A-6019-010-A	o	COMPLETE PCB, AN-01
	A-6019-011-A	o	COMPLETE PCB, AP-14
	A-6019-012-A	o	COMPLETE PCB, VN-01
	A-6019-013-A	o	COMPLETE PCB, FM-09
	A-6019-014-A	o	COMPLETE PCB, CI-01
	A-6019-015-A	o	COMPLETE PCB, SY-70
A04	A-6025-110-A	o	COMPLETE PCB, MB-132
X01	X-3715-361-1	o	PLATE ASSY, SHIELD, CARD PC BOARD
X02	X-3715-362-1	o	PLATE ASSY, SHIELD, AT
201	2-379-609-01	o	CLAMP, CORD
301	3-153-721-01	o	CATCHER, BALL
302	3-673-249-11	o	LEVER, PC BOARD
303	3-715-721-01	o	LABEL (2), SERIAL NUMBER (AA-29)
	3-715-721-11	o	LABEL (2), SERIAL NUMBER (VA-45)
	3-715-721-21	o	LABEL (2), SERIAL NUMBER (PG-13)
	3-715-721-31	o	LABEL (2), SERIAL NUMBER (IF-139)
	3-715-721-41	o	LABEL (2), SERIAL NUMBER (AU-86)
	3-715-721-51	o	LABEL (2), SERIAL NUMBER (AE-06)
	3-715-721-61	o	LABEL (2), SERIAL NUMBER (VE-12)
	3-715-721-71	o	LABEL (2), SERIAL NUMBER (IE-17)
	3-715-721-81	o	LABEL (2), SERIAL NUMBER (TG-28)
	3-715-721-91	o	LABEL (2), SERIAL NUMBER (AN-01)
	3-715-724-01	o	LABEL (2), SERIAL NUMBER (AP-14)
	3-715-724-11	o	LABEL (2), SERIAL NUMBER (VN-01)
	3-715-724-21	o	LABEL (2), SERIAL NUMBER (FM-09)
	3-715-724-31	o	LABEL (2), SERIAL NUMBER (CI-01)
	3-715-724-41	o	LABEL (2), SERIAL NUMBER (SY-70)
304	3-715-754-01	o	LID, AD SHIELD
305	3-715-755-01	o	LID, DA SHIELD
306	3-715-840-01	o	CASE, SHIELD, AT
307	3-716-708-01	o	PLATE, GROUND
308	3-716-710-01	o	SPRING (A), LEAF

(CARD RACK ASSEMBLY, DVPC-1000)

No.	Part No.	SP	Description
309	3-716-711-01	o	RETAINER (B), SPRING
310	3-716-716-01	o	CATCHER, MAGNET
311	3-716-717-01	o	SPRING (B), LEAF, PANEL
312	3-716-718-01	o	RETAINER (A), SPRING
401	4-334-513-00	s	NUT, NYLON
402	4-879-127-00	o	SHAFT (A), FITTING, CASE
701	7-621-759-45	s	SCREW, +PSW 2.6X6
702	7-626-320-11	o	PIN, SPRING, 3X8
703	7-682-248-09	s	SCREW, +K 3X8
704	7-682-903-11	s	SCREW, +PWH 3X6
705	7-682-904-11	s	SCREW, +PWH 4X8
706	7-682-947-01	s	SCREW, +PSW 3X6
707	7-682-948-01	s	SCREW, +PSW 3X8
708	7-688-003-12	s	W 3, MIDDLE

REAR PANEL ASS' Y

REAR PANEL ASSEMBLY, DVPC-1000

No.	Part No.	SP	Description
A01	A-6011-113-A	o	COMPLETE PCB, IV-14 UP TO #11199 (J) UP TO #10920 (UC) UP TO #11015 (EK)
A02	A-6032-068-A	o	PANEL (1) ASSY, REAR (for UC, EK)
	A-6032-074-A	o	PANEL (1) ASSY, REAR (for J)
A03	A-6011-121-A	o	COMPLETE PCB, IV-20 #11201 AND HIGHER (J) #10921 AND HIGHER (UC) #11016 AND HIGHER (EK)
A04	A-6011-122-A	o	COMPLETE PCB, IV-21 #11201 AND HIGHER (J) #10921 AND HIGHER (UC) #11016 AND HIGHER (EK)
A05	A-6030-125-A	o	CASE ASSY, SHIELD, IV PC BOARD #11201 AND HIGHER (J) #10921 AND HIGHER (UC) #11016 AND HIGHER (EK)
A06	A-6021-011-A	o	COMPLETE PCB, SP-10
X01	X-3715-369-1	o	PLATE ASSY, SHIELD, IV-14 UP TO #11199 (J) UP TO #10920 (UC) UP TO #11015 (EK)
X02	X-4854-207-0	s	TERMINAL ASSY, GROUND
X03	X-3715-490-1	o	PLATE ASSY, SHIELD, IV PC BOARD #11201 AND HIGHER (J) #10921 AND HIGHER (UC) #11016 AND HIGHER (EK)
X04	X-3715-512-1	o	CASE ASSY, SHIELD, SP
101	1-509-176-51	s	RECEP, XLR 3P, MALE
102	1-509-184-51	s	RECEP, XLR 3P, FEMALE
103	1-514-524-00	s	SWITCH, SLIDE
104	1-541-337-21	s	FAN, DC12V
105	1-561-781-21	s	RECEP, BNC, FEMALE
106	1-562-055-11	o	CONNECTOR, 24P, GP-IB
107	1-562-160-00	s	RECEP, ROUND 12P, FEMALE
108	1-563-819-11	s	RECEP, D-SUB 50P, FEMALE
109	1-564-407-11	s	RECEP, ROUND 12P, MALE
201	2-083-308-00	s	SPRING
202	2-369-812-11	o	COVER, FUN
203	2-390-741-00	o	BUSHING, RUBBER
204	2-990-028-01	o	CAP, DUST
301	3-531-576-01	s	RIVET
302	3-673-910-21	o	SCREW, CONNECTOR
303	3-680-316-11	o	NUT (M4), STOPPER
304	3-703-043-51	s	LABEL, CAUTION, MAIN
305	3-715-517-01	o	HINGE, PARALLEL
306	3-715-750-01	o	CASE, SHIELD, IV AUDIO UP TO #11199 (J) UP TO #10920 (UC) UP TO #11015 (EK)
307	3-715-844-01	o	LABEL, REAR PANEL
308	3-688-199-02	o	LUG (12P), PLATE
401	3-722-732-01	s	SCREW, SLIDE LOCK
701	7-621-759-45	s	SCREW, +PSW 2.6X6
702	7-621-770-67	s	SCREW, +B 2.6X6
703	7-621-775-10	s	SCREW, +B 2.6X4
704	7-682-561-09	s	SCREW, +B 4X8
705	7-682-567-09	s	SCREW, +B 4X25
706	7-682-572-09	s	SCREW, +B 4X50
707	7-682-903-11	s	SCREW, +PWH 3X6
708	7-688-004-12	s	W 4, MIDDLE
709	7-682-147-09	s	SCREW, +PSW 3X6
710	7-621-755-01	s	SCREW, +B 2.6X5
711	7-688-002-03	s	W 2.6
712	2-270-601-00	s	SUPPORT

POWER ASSEMBLY, DVPC-1000

No.	Part No.	SP	Description
A01	A-6025-111-A	o	COMPLETE PCB, LE-51
A02	A-6026-077-A	o	MOUNTED PCB, TX-12
A03	A-6263-074-A	o	COMPLETE PCB, AC-69
101	⚠1-413-278-12	s	REGULATOR, SWITCHING 5V/1KW
102	⚠1-413-279-12	s	REGULATOR, SWITCHING 18V/100W
103	⚠1-413-280-12	s	REGULATOR, SWITCHING 12V/60W
104	⚠1-413-281-12	s	REGULATOR, SWITCHING 5V/60W
105	1-413-285-13	o	POWER UNIT
106	⚠1-448-387-13	s	TRANSFORMER, POWER
107	⚠1-532-622-00	s	CIRCUIT BREAKER
108	1-536-876-11	o	TERMINAL BOARD, FEED-THROUGH
109	⚠1-537-060-11	o	TERMINAL BOARD, FEED-THROUGH
110	1-541-203-00	s	FUN, DC12V
111	⚠1-552-868-00	s	SWITCH, ROCKER
112	⚠1-556-371-31	s	CORD, POWER (for EK)
	⚠1-559-332-11	s	CORD, POWER (for J, UC)
113	1-561-086-00	o	HOUSING, 9P
114	1-561-087-00	o	HOUSING, 15P
115	1-566-359-11	o	HOUSING, 12P
116	⚠1-570-258-32	s	SWITCH, THERMAL 70℃
201	⚠2-066-942-00	s	BUSHING (for J, UC)
	⚠3-673-298-00	s	STOPPER, CORD (for EK)
301	3-668-729-01	o	NUT, M3
302	3-685-314-02	o	SCREW, TERMINAL BOARD
303	3-715-884-01	s	BRACKET, BUSHING (for J, UC)
	3-715-885-01	s	BRACKET, BUSHING (for EK)
701	7-622-207-05	s	NUT 2.6, TYPE2
702	7-623-207-22	s	SW 2.6
703	7-623-208-22	s	SW 3
704	7-623-210-22	s	SW 4, TYPE2
705	7-623-212-22	s	SW 5
706	7-682-247-09	s	SCREW, +K 3X6
707	7-682-248-09	s	SCREW, +K 3X8
708	7-682-546-09	s	SCREW, +B 3X5
709	7-682-547-09	s	SCREW, +B 3X6
710	7-682-561-09	s	SCREW, +B 4X8
711	7-682-565-09	s	SCREW, +B 4X16

(POWER ASSEMBLY, DVPC-1000)

No.	Part No.	SP	Description
712	7-682-648-09	s	SCREW, +PS 3X8
713	7-682-661-01	s	SCREW, +PS 4X8
714	7-682-664-01	s	SCREW, +PS 4X14
715	7-682-903-11	s	SCREW, +PWH 3X6
716	7-682-903-21	s	SCREW, +PWH 3X8
717	7-682-947-01	s	SCREW, +PSW 3X6
718	7-682-948-01	s	SCREW, +PSW 3X8
719	7-682-950-01	s	SCREW, +PSW 3X12
720	7-682-961-01	s	SCREW, +PSW 4X8
721	7-683-436-04	s	SCREW, C 5X12
722	7-684-023-04	s	NUT 3, TYPE2
723	7-684-024-04	s	NUT 4, TYPE2
724	7-688-003-02	s	W 3, SMALL
725	7-688-003-12	s	W 3, MIDDLE
726	7-688-003-11	s	W 3, MIDDLE
727	7-688-004-02	s	W 4, SMALL
901	⚠9-984-738-01	s	RELAY, DC12 V
902	⚠9-984-739-01	s	RELAY, DC12 V
903	⚠9-988-385-01	s	FILTER, LINE
904	⚠9-988-386-01	s	RES, WIREWOUND 10/15W
905	⚠9-988-387-01	s	RES, WIREWOUND 30/60W
906	⚠9-988-388-01	s	TRIAC

NONPOLAR CAPACITOR

Replacements for nonpolar capacitors not given in board parts lists are shown in the following list.
If a capacitor with the desired working voltage is not found, choose one of a higher working voltage.

Part No.	SP	Description
1-107-019-00	s	CAP, MICA 1.0pF ±0.5pF 500V
1-107-039-00	s	CAP, MICA 1.2pF ±0.5pF 500V
1-107-040-00	s	CAP, MICA 1.5pF ±0.5pF 500V
1-107-041-00	s	CAP, MICA 1.8pF ±0.5pF 500V
1-107-042-00	s	CAP, MICA 2.2pF ±0.5pF 500V
1-107-043-00	s	CAP, MICA 2.7pF ±0.5pF 500V
1-107-044-00	s	CAP, MICA 3.3pF ±0.5pF 500V
1-107-045-00	s	CAP, MICA 3.9pF ±0.5pF 500V
1-107-046-00	s	CAP, MICA 4.7pF ±0.5pF 500V
1-107-026-00	s	CAP, MICA 5.1pF ±0.5pF 500V
1-107-047-00	s	CAP, MICA 5.6pF ±0.5pF 500V
1-107-048-00	s	CAP, MICA 6.8pF ±0.5pF 500V
1-107-049-00	s	CAP, MICA 8.2pF ±0.5pF 500V
1-107-202-00	s	CAP, MICA 10pF 5% 500V
1-107-203-00	s	CAP, MICA 11pF 5% 500V
1-107-204-00	s	CAP, MICA 12pF 5% 500V
1-107-205-00	s	CAP, MICA 13pF 5% 500V
1-107-206-00	s	CAP, MICA 15pF 5% 500V
1-107-207-00	s	CAP, MICA 16pF 5% 500V
1-107-208-00	s	CAP, MICA 18pF 5% 500V
1-107-209-00	s	CAP, MICA 20pF 5% 500V
1-107-210-00	s	CAP, MICA 22pF 5% 500V
1-107-211-00	s	CAP, MICA 24pF 5% 500V
1-107-157-00	s	CAP, MICA 27pF 5% 500V
1-107-158-00	s	CAP, MICA 30pF 5% 500V
1-107-159-00	s	CAP, MICA 33pF 5% 500V
1-107-074-00	s	CAP, MICA 36pF 5% 50V
1-107-075-00	s	CAP, MICA 39pF 5% 50V
1-107-076-00	s	CAP, MICA 43pF 5% 50V
1-107-077-00	s	CAP, MICA 47pF 5% 50V
1-107-164-00	s	CAP, MICA 51pF 5% 500V
1-107-165-00	s	CAP, MICA 56pF 5% 500V
1-107-166-00	s	CAP, MICA 62pF 5% 500V
1-107-036-00	s	CAP, MICA 68pF 5% 500V
1-107-167-00	s	CAP, MICA 75pF 5% 500V
1-107-083-00	s	CAP, MICA 82pF 5% 50V
1-107-084-00	s	CAP, MICA 91pF 5% 50V
1-107-085-00	s	CAP, MICA 100pF 5% 50V
1-107-086-00	s	CAP, MICA 110pF 5% 50V
1-107-087-00	s	CAP, MICA 120pF 5% 50V
1-109-538-00	s	CAP, MICA 130pF 5% 100V
1-109-539-00	s	CAP, MICA 150pF 5% 100V
1-107-090-00	s	CAP, MICA 160pF 5% 50V
1-109-540-00	s	CAP, MICA 180pF 5% 100V
1-109-541-00	s	CAP, MICA 200pF 5% 100V
1-109-542-00	s	CAP, MICA 220pF 5% 100V
1-109-545-00	s	CAP, MICA 270pF 5% 100V
1-109-547-00	s	CAP, MICA 330pF 5% 100V
1-109-549-00	s	CAP, MICA 390pF 5% 100V
1-109-633-00	s	CAP, MICA 470pF 2% 500V
1-109-555-00	s	CAP, MICA 560pF 5% 100V
1-109-635-00	s	CAP, MICA 680pF 2% 500V
1-162-765-11	s	CAP, CERAMIC 0.001 5% 50V
1-162-769-11	s	CAP, CERAMIC 0.0022 5% 50V
1-162-777-11	s	CAP, CERAMIC 0.01 5% 50V
1-162-781-11	s	CAP, CERAMIC 0.022 5% 50V
1-161-891-11	s	CAP, CERAMIC 0.033 50V
1-161-892-11	s	CAP, CERAMIC 0.047 50V
1-161-893-11	s	CAP, CERAMIC 0.068 50V
1-161-485-00	s	CAP, CERAMIC 0.150V
1-161-895-11	s	CAP, CERAMIC 0.15 50V
1-161-896-11	s	CAP, CERAMIC 0.22 50V
1-161-897-11	s	CAP, CERAMIC 0.33 50V
1-161-898-11	s	CAP, CERAMIC 0.47 50V
1-161-899-11	s	CAP, CERAMIC 0.68 50V
1-161-900-11	s	CAP, CERAMIC 1.050V

ELECTROLYTIC CAPACITOR

Replacements for electrolytic capacitors not given in board parts lists are shown in the following list.
If a capacitor with the desired working voltage is not found, choose one of a higher working voltage.

Part No.	SP	Description
1-124-902-00	s	CAP, ELECT 0.47 20% 50V
1-124-791-11	s	CAP, ELECT 1.0 20% 100V
1-124-925-11	s	CAP, ELECT 2.2 20% 100V
1-123-382-00	s	CAP, ELECT 3.3 20% 100V
1-124-927-00	s	CAP, ELECT 4.7 20% 100V
1-123-875-91	s	CAP, ELECT 10 20% 50V
1-124-908-11	s	CAP, ELECT 22 20% 50V
1-124-963-11	s	CAP, ELECT 33 20% 16V
1-124-482-11	s	CAP, ELECT 33 20% 35V
1-124-917-11	s	CAP, ELECT 33 20% 63V
1-124-446-11	s	CAP, ELECT 47 20% 10V
1-124-477-11	s	CAP, ELECT 47 20% 25V
1-124-910-11	s	CAP, ELECT 47 20% 50V
1-124-443-00	s	CAP, ELECT 100 20% 10V
1-126-101-11	s	CAP, ELECT 100 20% 16V
1-124-478-11	s	CAP, ELECT 100 20% 25V
1-124-122-11	s	CAP, ELECT 100 20% 50V
1-124-444-00	s	CAP, ELECT 220 20% 10V
1-124-120-11	s	CAP, ELECT 220 20% 25V
1-124-484-11	s	CAP, ELECT 220 20% 35V
1-124-911-11	s	CAP, ELECT 220 20% 50V
1-124-442-00	s	CAP, ELECT 330 20% 6.3V
1-124-604-00	s	CAP, ELECT 330 20% 10V
1-124-119-00	s	CAP, ELECT 330 0% 16V
1-124-479-11	s	CAP, ELECT 330 20% 25V
1-124-485-11	s	CAP, ELECT 330 20% 35V
1-124-912-11	s	CAP, ELECT 330 20% 50V
1-124-472-11	s	CAP, ELECT 470 20% 10V
1-124-475-11	s	CAP, ELECT 470 20% 16V
1-124-480-11	s	CAP, ELECT 470 20% 25V
1-126-104-11	s	CAP, ELECT 470 20% 35V
1-124-913-11	s	CAP, ELECT 470 20% 50V

RESISTOR

Replacements for resistors not given in board parts lists are shown in the following list.

Part No.	SP	Description
1-215-373-31	s	RES, METAL 10 1% 1/6W
1-215-374-00	s	RES, METAL 11 1% 1/6W
1-215-375-00	s	RES, METAL 12 1% 1/6W
1-215-376-00	s	RES, METAL 13 1% 1/6W
1-215-377-00	s	RES, METAL 15 1% 1/6W
1-215-378-00	s	RES, METAL 16 1% 1/6W
1-215-379-00	s	RES, METAL 18 1% 1/6W
1-215-380-00	s	RES, METAL 20 1% 1/6W
1-215-381-00	s	RES, METAL 22 1% 1/6W
1-215-382-00	s	RES, METAL 24 1% 1/6W
1-215-383-00	s	RES, METAL 27 1% 1/6W
1-215-384-00	s	RES, METAL 30 1% 1/6W
1-215-385-00	s	RES, METAL 33 1% 1/6W
1-215-386-00	s	RES, METAL 36 1% 1/6W
1-215-387-00	s	RES, METAL 39 1% 1/6W
1-215-388-00	s	RES, METAL 43 1% 1/6W
1-215-389-00	s	RES, METAL 47 1% 1/6W
1-215-390-00	s	RES, METAL 51 1% 1/6W
1-215-391-00	s	RES, METAL 56 1% 1/6W
1-215-392-00	s	RES, METAL 62 1% 1/6W
1-215-393-00	s	RES, METAL 68 1% 1/6W
1-215-394-00	s	RES, METAL 75 1% 1/6W
1-215-395-00	s	RES, METAL 82 1% 1/6W
1-215-396-00	s	RES, METAL 91 1% 1/6W
1-215-397-00	s	RES, METAL 100 1% 1/6W
1-215-398-00	s	RES, METAL 110 1% 1/6W
1-215-399-00	s	RES, METAL 120 1% 1/6W
1-215-400-00	s	RES, METAL 130 1% 1/6W
1-215-401-00	s	RES, METAL 150 1% 1/6W
1-215-402-00	s	RES, METAL 160 1% 1/6W
1-215-403-00	s	RES, METAL 180 1% 1/6W
1-215-404-00	s	RES, METAL 200 1% 1/6W
1-215-405-00	s	RES, METAL 220 1% 1/6W
1-215-406-00	s	RES, METAL 240 1% 1/6W
1-215-407-00	s	RES, METAL 270 1% 1/6W
1-215-408-00	s	RES, METAL 300 1% 1/6W
1-215-409-00	s	RES, METAL 330 1% 1/6W
1-215-410-00	s	RES, METAL 360 1% 1/6W
1-215-411-00	s	RES, METAL 390 1% 1/6W
1-215-412-00	s	RES, METAL 430 1% 1/6W
1-215-413-00	s	RES, METAL 470 1% 1/6W
1-215-414-00	s	RES, METAL 510 1% 1/6W
1-215-415-00	s	RES, METAL 560 1% 1/6W
1-215-416-00	s	RES, METAL 620 1% 1/6W
1-215-417-00	s	RES, METAL 680 1% 1/6W
1-215-418-00	s	RES, METAL 750 1% 1/6W
1-215-419-00	s	RES, METAL 820 1% 1/6W
1-215-420-00	s	RES, METAL 910 1% 1/6W
1-215-421-00	s	RES, METAL 1.0k 1% 1/6W
1-215-422-00	s	RES, METAL 1.1k 1% 1/6W
1-215-423-00	s	RES, METAL 1.2k 1% 1/6W
1-215-424-00	s	RES, METAL 1.3k 1% 1/6W
1-215-425-00	s	RES, METAL 1.5k 1% 1/6W
1-215-426-00	s	RES, METAL 1.6k 1% 1/6W
1-215-427-00	s	RES, METAL 1.8k 1% 1/6W
1-215-428-00	s	RES, METAL 2.0k 1% 1/6W
1-215-429-00	s	RES, METAL 2.2k 1% 1/6W
1-215-430-00	s	RES, METAL 2.4k 1% 1/6W
1-215-431-00	s	RES, METAL 2.7k 1% 1/6W
1-215-432-00	s	RES, METAL 3.0k 1% 1/6W
1-215-433-00	s	RES, METAL 3.3k 1% 1/6W
1-215-434-00	s	RES, METAL 3.6k 1% 1/6W
1-215-435-00	s	RES, METAL 3.9k 1% 1/6W
1-215-436-00	s	RES, METAL 4.3k 1% 1/6W
1-215-437-00	s	RES, METAL 4.7k 1% 1/6W

(RESISTOR)

Replacements for resistors not given in board parts lists are shown in the following list.

Part No.	SP	Description
1-215-438-00	s	RES, METAL 5.1k 1% 1/6W
1-215-439-00	s	RES, METAL 5.6k 1% 1/6W
1-215-440-00	s	RES, METAL 6.2k 1% 1/6W
1-215-441-00	s	RES, METAL 6.8k 1% 1/6W
1-215-442-00	s	RES, METAL 7.5k 1% 1/6W
1-215-443-00	s	RES, METAL 8.2k 1% 1/6W
1-215-444-00	s	RES, METAL 9.1k 1% 1/6W
1-215-445-00	s	RES, METAL 10k 1% 1/6W
1-215-446-00	s	RES, METAL 11k 1% 1/6W
1-215-447-00	s	RES, METAL 12k 1% 1/6W
1-215-448-00	s	RES, METAL 13k 1% 1/6W
1-215-449-00	s	RES, METAL 15k 1% 1/6W
1-215-450-00	s	RES, METAL 16k 1% 1/6W
1-215-451-00	s	RES, METAL 18k 1% 1/6W
1-215-452-00	s	RES, METAL 20k 1% 1/6W
1-215-453-00	s	RES, METAL 22k 1% 1/6W
1-215-454-00	s	RES, METAL 24k 1% 1/6W
1-215-455-00	s	RES, METAL 27k 1% 1/6W
1-215-456-00	s	RES, METAL 30k 1% 1/6W
1-215-457-00	s	RES, METAL 33k 1% 1/6W
1-215-458-00	s	RES, METAL 36k 1% 1/6W
1-215-459-00	s	RES, METAL 39k 1% 1/6W
1-215-460-00	s	RES, METAL 43k 1% 1/6W
1-215-461-00	s	RES, METAL 47k 1% 1/6W
1-215-462-00	s	RES, METAL 51k 1% 1/6W
1-215-463-00	s	RES, METAL 56k 1% 1/6W
1-215-464-00	s	RES, METAL 62k 1% 1/6W
1-215-465-00	s	RES, METAL 68k 1% 1/6W
1-215-466-00	s	RES, METAL 75k 1% 1/6W
1-215-467-00	s	RES, METAL 82k 1% 1/6W
1-215-468-00	s	RES, METAL 91k 1% 1/6W
1-215-469-00	s	RES, METAL 100k 1% 1/6W
1-215-470-00	s	RES, METAL 110k 1% 1/6W
1-215-471-00	s	RES, METAL 120k 1% 1/6W
1-215-472-00	s	RES, METAL 130k 1% 1/6W
1-215-473-00	s	RES, METAL 150k 1% 1/6W
1-215-474-00	s	RES, METAL 160k 1% 1/6W
1-215-475-00	s	RES, METAL 180k 1% 1/6W
1-215-476-00	s	RES, METAL 200k 1% 1/6W
1-215-477-00	s	RES, METAL 220k 1% 1/6W
1-215-478-00	s	RES, METAL 240k 1% 1/6W
1-215-479-00	s	RES, METAL 270k 1% 1/6W
1-215-480-00	s	RES, METAL 300k 1% 1/6W
1-215-481-00	s	RES, METAL 330k 1% 1/6W
1-215-482-00	s	RES, METAL 360k 1% 1/6W
1-215-483-00	s	RES, METAL 390k 1% 1/6W
1-215-484-00	s	RES, METAL 430k 1% 1/6W
1-215-485-00	s	RES, METAL 470k 1% 1/6W
1-215-486-00	s	RES, METAL 510k 1% 1/6W
1-215-487-00	s	RES, METAL 560k 1% 1/6W
1-215-488-00	s	RES, METAL 620k 1% 1/6W
1-215-489-00	s	RES, METAL 680k 1% 1/6W
1-215-490-00	s	RES, METAL 750k 1% 1/6W
1-215-491-00	s	RES, METAL 820k 1% 1/6W
1-215-492-00	s	RES, METAL 910k 1% 1/6W
1-215-493-00	s	RES, METAL 1.0M 1% 1/6W

AA-29 BOARD, DVPC-1000

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6019-001-A	o	COMPLETE PCB, AA-29
(This assembly includes the following parts.)			
1pc	3-715-721-01	o	LABEL (2), SERIAL NUMBER
1pc	3-715-754-01	o	LID, AD SHIELD
1pc	3-715-755-01	o	LID, DA SHIELD
2pcs	3-673-249-00	o	LEVER, PC BOARD
2pcs	7-621-775-10	s	SCREW, +B 2.6X4
2pcs	7-626-320-11	o	PIN, SPRING 3X8
2pcs	7-628-254-20	s	SCREW, +PSW 2.6X8
6pcs	7-628-253-40	s	SCREW, +PS 2X10
21pcs	7-628-254-10	s	SCREW, +PSW 2.6X6
22pcs	7-682-647-09	s	SCREW, +PS 3X6
C1	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C2	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C4	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C6	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C11	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C13	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C15	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C17	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C191	-124-944-11	s	CAP, ELECT 82uF 20% 25V
C21	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C23	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C25	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C27	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C29	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C31	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C33	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C35	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C37	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C39	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C41	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C44	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C46	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C47	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C49	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C51	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C53	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C55	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C57	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C59	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C61	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C70	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C86	1-124-587-11	s	CAP, ELECT 220uF 20% 6.3V
C87	1-124-518-11	s	CAP, ELECT 470uF 20% 6.3V
C89	1-124-518-11	s	CAP, ELECT 470uF 20% 6.3V
C90	1-124-587-11	s	CAP, ELECT 220uF 20% 6.3V
C92	1-124-598-11	s	CAP, ELECT 22uF 20% 25V
C93	1-124-598-11	s	CAP, ELECT 22uF 20% 25V
C96	1-124-598-11	s	CAP, ELECT 22uF 20% 25V
C97	1-124-598-11	s	CAP, ELECT 22uF 20% 25V
C100	1-124-598-11	s	CAP, ELECT 22uF 20% 25V
C101	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C102	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C103	1-124-327-00	s	CAP, ELECT, NONPOLAR 15uF 20% 50V
C104	1-124-327-00	s	CAP, ELECT, NONPOLAR 15uF 20% 50V
C106	1-130-736-11	s	CAP, PP FILM 0.01uF 1% 100V
C107	1-109-626-00	s	CAP, MICA 100PF 2% 100V
C108	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C109	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C110	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C111	1-162-176-00	s	CAP, CERAMIC 1.5uF 25V
C112	1-162-176-00	s	CAP, CERAMIC 1.5uF 25V
C113	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C114	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C115	1-131-374-00	s	CAP, TANT 33uF 10% 16V
C116	1-162-176-00	s	CAP, CERAMIC 1.5uF 25V
C117	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C118	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C119	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C120	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C121	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C122	1-124-944-11	s	CAP, ELECT 82uF 20% 25V

(AA-29 BOARD, DVPC-1000)

Ref. No. or Qty	Part No.	SP	Description
C123	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C124	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C125	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C126	1-104-302-11	s	CAP, STYROL 0.001uF 5% 50V
C128	1-131-347-00	s	CAP, TANT 1uF 20% 35V
C130	1-131-373-00	s	CAP, TANT 22uF 10% 16V
C131	1-131-373-00	s	CAP, TANT 22uF 10% 16V
C134	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C137	1-124-587-11	s	CAP, ELECT 220uF 20% 6.3V
C139	1-124-587-11	s	CAP, ELECT 220uF 20% 6.3V
C141	1-124-587-11	s	CAP, ELECT 220uF 20% 6.3V
C142	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C201	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C202	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C203	1-124-327-00	s	CAP, ELECT, NONPOLAR 15uF 20% 50V
C204	1-124-327-00	s	CAP, ELECT, NONPOLAR 15uF 20% 50V
C206	1-130-736-11	s	CAP, PP FILM 0.01uF 1% 100V
C207	1-109-626-00	s	CAP, MICA 100PF 2% 100V
C208	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C209	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C210	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C211	1-162-176-00	s	CAP, CERAMIC 1.5uF 25V
C212	1-162-176-00	s	CAP, CERAMIC 1.5uF 25V
C213	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C214	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C215	1-131-374-00	s	CAP, TANT 33uF 10% 16V
C216	1-162-176-00	s	CAP, CERAMIC 1.5uF 25V
C217	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C218	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C219	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C220	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C221	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C222	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C223	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C224	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C225	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C226	1-104-302-11	s	CAP, STYROL 0.001uF 5% 50V
C228	1-131-347-00	s	CAP, TANT 1uF 20% 35V
C230	1-131-373-00	s	CAP, TANT 22uF 10% 16V
C231	1-131-373-00	s	CAP, TANT 22uF 10% 16V
C234	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C237	1-124-587-11	s	CAP, ELECT 220uF 20% 6.3V
C239	1-124-587-11	s	CAP, ELECT 220uF 20% 6.3V
C241	1-124-587-11	s	CAP, ELECT 220uF 20% 6.3V
C242	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C301	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C302	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C303	1-124-327-00	s	CAP, ELECT, NONPOLAR 15uF 20% 50V
C304	1-124-327-00	s	CAP, ELECT, NONPOLAR 15uF 20% 50V
C306	1-130-736-11	s	CAP, PP FILM 0.01uF 1% 100V
C307	1-109-626-00	s	CAP, MICA 100PF 2% 100V
C308	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C309	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C310	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C311	1-162-176-00	s	CAP, CERAMIC 1.5uF 25V
C312	1-162-176-00	s	CAP, CERAMIC 1.5uF 25V
C313	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C314	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C315	1-131-374-00	s	CAP, TANT 33uF 10% 16V
C316	1-162-176-00	s	CAP, CERAMIC 1.5uF 25V
C317	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C318	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C319	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C320	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C321	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C322	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C323	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C324	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C325	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C326	1-104-302-11	s	CAP, STYROL 0.001uF 5% 50V

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(AA-29 BOARD, DVPC-1000)

Ref. No. or Qty	Part No.	SP	Description
C328	1-131-347-00	s	CAP, TANT 1uF 20% 35V
C330	1-131-373-00	s	CAP, TANT 22uF 10% 16V
C331	1-131-373-00	s	CAP, TANT 22uF 10% 16V
C334	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C337	1-124-587-11	s	CAP, ELECT 220uF 20% 6.3V
C339	1-124-587-11	s	CAP, ELECT 220uF 20% 6.3V
C341	1-124-587-11	s	CAP, ELECT 220uF 20% 6.3V
C342	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C401	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C402	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C403	1-124-327-00	s	CAP, ELECT, NONPOLAR 15uF 20% 50V
C404	1-124-327-00	s	CAP, ELECT, NONPOLAR 15uF 20% 50V
C406	1-130-736-11	s	CAP, PP FILM 0.01uF 1% 100V
C407	1-109-626-00	s	CAP, MICA 100PF 2% 100V
C408	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C409	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C410	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C411	1-162-176-00	s	CAP, CERAMIC 1.5uF 25V
C412	1-162-176-00	s	CAP, CERAMIC 1.5uF 25V
C413	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C414	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C415	1-131-374-00	s	CAP, TANT 33uF 10% 16V
C416	1-162-176-00	s	CAP, CERAMIC 1.5uF 25V
C417	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C418	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C419	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C420	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C421	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C422	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C423	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C424	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C425	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C426	1-104-302-11	s	CAP, STYROL 0.001uF 5% 50V
C428	1-131-347-00	s	CAP, TANT 1uF 20% 35V
C430	1-131-373-00	s	CAP, TANT 22uF 10% 16V
C431	1-131-373-00	s	CAP, TANT 22uF 10% 16V
C434	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C437	1-124-587-11	s	CAP, ELECT 220uF 20% 6.3V
C439	1-124-587-11	s	CAP, ELECT 220uF 20% 6.3V
C441	1-124-587-11	s	CAP, ELECT 220uF 20% 6.3V
C442	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C501	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C502	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C506	1-124-587-11	s	CAP, ELECT 220uF 20% 6.3V
C507	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C508	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C511	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C512	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C513	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C514	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C515	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C516	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C520	1-130-736-11	s	CAP, PP FILM 0.01uF 1% 100V
C521	1-130-728-00	s	CAP, PP FILM 0.0022uF 1% 100V
C522	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C523	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C524	1-103-721-00	s	CAP, STYROL 680PF 5% 50V
C601	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C602	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C606	1-124-587-11	s	CAP, ELECT 220uF 20% 6.3V
C606	1-124-587-11	s	CAP, ELECT 220uF 20% 6.3V
C607	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C608	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C611	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C612	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C613	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C614	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C615	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C616	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C620	1-130-736-11	s	CAP, PP FILM 0.01uF 1% 100V

(AA-29 BOARD, DVPC-1000)

Ref. No. or Qty	Part No.	SP	Description
C621	1-130-728-00	s	CAP, PP FILM 0.0022uF 1% 100V
C622	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C623	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C624	1-103-721-00	s	CAP, STYROL 680PF 5% 50V
C701	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C702	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C706	1-124-587-11	s	CAP, ELECT 220uF 20% 6.3V
C707	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C708	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C711	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C712	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C713	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C714	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C715	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C716	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C720	1-130-736-11	s	CAP, PP FILM 0.01uF 1% 100V
C721	1-130-728-00	s	CAP, PP FILM 0.0022uF 1% 100V
C722	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C723	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C724	1-103-721-00	s	CAP, STYROL 680PF 5% 50V
C801	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C802	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C806	1-124-587-11	s	CAP, ELECT 220uF 20% 6.3V
C807	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C808	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C811	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C812	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C813	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C814	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C815	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C816	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C820	1-130-736-11	s	CAP, PP FILM 0.01uF 1% 100V
C821	1-130-728-00	s	CAP, PP FILM 0.0022uF 1% 100V
C822	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C823	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C824	1-103-721-00	s	CAP, STYROL 680PF 5% 50V
C901	1-124-565-00	s	CAP, ELECT 56uF 20% 6.3V
C904	1-124-598-11	s	CAP, ELECT 22uF 20% 25V
C905	1-124-565-00	s	CAP, ELECT 56uF 20% 6.3V
C908	1-124-598-11	s	CAP, ELECT 22uF 20% 25V
C909	1-124-598-11	s	CAP, ELECT 22uF 20% 25V
C912	1-124-598-11	s	CAP, ELECT 22uF 20% 25V
C913	1-124-598-11	s	CAP, ELECT 22uF 20% 25V
CN101M	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN111	1-566-385-11	s	PIN, CONNECTOR 2P
CN112	1-566-385-11	s	PIN, CONNECTOR 2P
CN211	1-566-385-11	s	PIN, CONNECTOR 2P
CN212	1-566-385-11	s	PIN, CONNECTOR 2P
CN311	1-566-385-11	s	PIN, CONNECTOR 2P
CN312	1-566-385-11	s	PIN, CONNECTOR 2P
CN411	1-566-385-11	s	PIN, CONNECTOR 2P
CN412	1-566-385-11	s	PIN, CONNECTOR 2P
D101	8-719-815-55	s	DIODE 1S1555
D102	8-719-123-78	s	DIODE 1SS97-2
D103	8-719-815-55	s	DIODE 1S1555
D104	8-719-815-55	s	DIODE 1S1555
D201	8-719-815-55	s	DIODE 1S1555
D202	8-719-123-78	s	DIODE 1SS97-2
D203	8-719-815-55	s	DIODE 1S1555
D204	8-719-815-55	s	DIODE 1S1555
D301	8-719-815-55	s	DIODE 1S1555
D302	8-719-123-78	s	DIODE 1SS97-2
D303	8-719-815-55	s	DIODE 1S1555
D304	8-719-815-55	s	DIODE 1S1555
D401	8-719-815-55	s	DIODE 1S1555
D402	8-719-123-78	s	DIODE 1SS97-2
D403	8-719-815-55	s	DIODE 1S1555
D404	8-719-815-55	s	DIODE 1S1555
D502	8-719-815-55	s	DIODE 1S1555
D602	8-719-815-55	s	DIODE 1S1555
D702	8-719-815-55	s	DIODE 1S1555
D802	8-719-815-55	s	DIODE 1S1555

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(AA-29 BOARD, DVPC-1000)

Ref. No. or Qty	Part No.	SP	Description
F1	⚠ 1-576-031-11	s	FUSE, MICRO 10A
FL101	1-235-535-11	s	FILTER, LOW-PASS 20KHz
FL201	1-235-535-11	s	FILTER, LOW-PASS 20KHz
FL301	1-235-535-11	s	FILTER, LOW-PASS 20KHz
FL401	1-235-535-11	s	FILTER, LOW-PASS 20KHz
FL501	1-235-820-11	s	FILTER, LOW-PASS 30KHz
FL601	1-235-820-11	s	FILTER, LOW-PASS 30KHz
FL701	1-235-820-11	s	FILTER, LOW-PASS 30KHz
FL801	1-235-820-11	s	FILTER, LOW-PASS 30KHz
IC1	8-759-700-65	s	IC NJM79L05A
IC2	8-759-708-05	s	IC NJM78L05A
IC3	8-759-240-51	s	IC TC4051BP
IC4	8-759-240-51	s	IC TC4051BP
IC5	8-759-900-72	s	IC NE5532P
IC6	8-759-202-74	s	IC TC74HC04P
IC7	8-759-921-29	s	IC SN74HC74N
IC8	8-759-202-74	s	IC TC74HC04P
IC9	8-759-921-29	s	IC SN74HC74N
IC10	8-759-179-15	s	IC uPC7915H
IC11	8-759-171-15	s	IC uPC7815H
IC12	8-759-179-15	s	IC uPC7915H
IC13	8-759-171-15	s	IC uPC7815H
IC14	8-759-179-05	s	IC uPC7905H
IC15	8-759-171-05	s	IC uPC7805H
IC16	8-759-179-15	s	IC uPC7915H
IC17	8-759-171-15	s	IC uPC7815H
IC18	8-759-179-15	s	IC uPC7915H
IC19	8-759-171-15	s	IC uPC7815H
IC20	8-759-179-15	s	IC uPC7915H
IC21	8-759-171-15	s	IC uPC7815H
IC22	8-759-002-72	s	IC MC10H116L
IC23	8-759-002-72	s	IC MC10H116L
IC24	8-759-202-55	s	IC TC74HC244P
IC25	8-759-203-43	s	IC TC74HC534P
IC27	8-759-202-74	s	IC TC74HC04P
IC28	8-759-921-29	s	IC SN74HC74N
IC29	8-759-203-43	s	IC TC74HC534P
IC30	8-759-926-32	s	IC AM26LS32PC
IC31	8-759-202-55	s	IC TC74HC244P
IC32	8-759-202-74	s	IC TC74HC04P
IC33	8-759-203-43	s	IC TC74HC534P
IC34	8-759-203-36	s	IC TC74HC374P
IC35	8-759-179-15	s	IC uPC7915H
IC36	8-759-171-15	s	IC uPC7815H
IC37	8-759-179-05	s	IC uPC7905H
IC38	8-759-171-05	s	IC uPC7805H
IC39	8-759-179-15	s	IC uPC7915H
IC40	8-759-171-15	s	IC uPC7815H
IC101	8-759-900-72	s	IC NE5532P
IC102	8-759-900-72	s	IC NE5532P
IC103	8-759-900-72	s	IC NE5532P
IC104	8-759-900-72	s	IC NE5532P
IC105	8-759-918-92	s	IC HA3-2525-5
IC106	8-759-108-96	s	IC uPC811C
IC107	8-759-918-92	s	IC HA3-2525-5
IC108	8-759-909-37	s	IC LM399H
IC109	8-752-001-80	s	IC CX20018
IC110	8-759-105-38	s	IC uPC79M05H
IC201	8-759-900-72	s	IC NE5532P
IC202	8-759-900-72	s	IC NE5532P
IC203	8-759-900-72	s	IC NE5532P
IC204	8-759-900-72	s	IC NE5532P
IC205	8-759-918-92	s	IC HA3-2525-5
IC206	8-759-108-96	s	IC uPC811C
IC207	8-759-918-92	s	IC HA3-2525-5
IC208	8-759-909-37	s	IC LM399H
IC209	8-752-001-80	s	IC CX20018
IC210	8-759-105-38	s	IC uPC79M05H
IC301	8-759-900-72	s	IC NE5532P
IC302	8-759-900-72	s	IC NE5532P

(AA-29 BOARD, DVPC-1000)

Ref. No. or Qty	Part No.	SP	Description
IC303	8-759-900-72	s	IC NE5532P
IC304	8-759-900-72	s	IC NE5532P
IC305	8-759-918-92	s	IC HA3-2525-5
IC306	8-759-108-96	s	IC uPC811C
IC307	8-759-918-92	s	IC HA3-2525-5
IC308	8-759-909-37	s	IC LM399H
IC309	8-752-001-80	s	IC CX20018
IC310	8-759-105-38	s	IC uPC79M05H
IC401	8-759-900-72	s	IC NE5532P
IC402	8-759-900-72	s	IC NE5532P
IC403	8-759-900-72	s	IC NE5532P
IC404	8-759-900-72	s	IC NE5532P
IC405	8-759-918-92	s	IC HA3-2525-5
IC406	8-759-108-96	s	IC uPC811C
IC407	8-759-918-92	s	IC HA3-2525-5
IC408	8-759-909-37	s	IC LM399H
IC409	8-752-001-80	s	IC CX20018
IC410	8-759-105-38	s	IC uPC79M05H
IC501	8-759-900-72	s	IC NE5532P
IC502	8-759-916-29	s	IC MC74HC595N
IC503	8-759-916-29	s	IC MC74HC595N
IC504	8-759-202-24	s	IC TC74HC86P
IC505	8-759-923-89	s	IC PCM53KP-V-S
IC506	8-759-108-96	s	IC uPC811C
IC507	8-759-040-53	s	IC MC14053BCP
IC508	8-759-900-72	s	IC NE5532P
IC601	8-759-900-72	s	IC NE5532P
IC602	8-759-916-29	s	IC MC74HC595N
IC603	8-759-916-29	s	IC MC74HC595N
IC604	8-759-202-24	s	IC TC74HC86P
IC605	8-759-923-89	s	IC PCM53KP-V-S
IC606	8-759-108-96	s	IC uPC811C
IC607	8-759-040-53	s	IC MC14053BCP
IC608	8-759-900-72	s	IC NE5532P
IC701	8-759-900-72	s	IC NE5532P
IC702	8-759-916-29	s	IC MC74HC595N
IC703	8-759-916-29	s	IC MC74HC595N
IC704	8-759-202-24	s	IC TC74HC86P
IC705	8-759-923-89	s	IC PCM53KP-V-S
IC706	8-759-108-96	s	IC uPC811C
IC707	8-759-040-53	s	IC MC14053BCP
IC708	8-759-900-72	s	IC NE5532P
IC801	8-759-900-72	s	IC NE5532P
IC802	8-759-916-29	s	IC MC74HC595N
IC803	8-759-916-29	s	IC MC74HC595N
IC804	8-759-202-24	s	IC TC74HC86P
IC805	8-759-923-89	s	IC PCM53KP-V-S
IC806	8-759-108-96	s	IC uPC811C
IC807	8-759-040-53	s	IC MC14053BCP
IC808	8-759-900-72	s	IC NE5532P
JS111	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS211	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS311	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS411	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
L1	1-421-370-00	s	COIL, CHOKE
L2	1-421-370-00	s	COIL, CHOKE
L3	1-421-370-00	s	COIL, CHOKE
L4	1-421-370-00	s	COIL, CHOKE
L5	1-408-879-21	s	INDUCTOR, 0.47uH 10%
L6	1-421-370-00	s	COIL, CHOKE
L7	1-421-370-00	s	COIL, CHOKE
LV1	1-410-287-11	s	VAR, INDUCTOR, 2.2uH
PH1	8-719-901-87	s	DIODE HCPL2630
PH2	8-719-901-87	s	DIODE HCPL2630
PH3	8-719-901-87	s	DIODE HCPL2630
PH4	8-719-901-87	s	DIODE HCPL2630
PH5	8-719-901-87	s	DIODE HCPL2630

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(AA-29 BOARD, DVPC-1000)

Ref. No. or Qty	Part No.	SP	Description
Q1	8-729-801-72	s	TRANSISTOR 2SC2603-E
Q2	8-729-801-72	s	TRANSISTOR 2SC2603-E
Q3	8-729-801-72	s	TRANSISTOR 2SC2603-E
Q4	8-729-801-72	s	TRANSISTOR 2SC2603-E
Q5	8-729-801-72	s	TRANSISTOR 2SC2603-E
Q8	8-729-801-72	s	TRANSISTOR 2SC2603-E
Q10	8-729-801-72	s	TRANSISTOR 2SC2603-E
Q11	8-729-801-72	s	TRANSISTOR 2SC2603-E
Q101	8-729-800-43	s	TRANSISTOR 2SK152-3
Q102	8-729-699-51	s	TRANSISTOR 2SA995
Q201	8-729-800-43	s	TRANSISTOR 2SK152-3
Q202	8-729-699-51	s	TRANSISTOR 2SA995
Q301	8-729-800-43	s	TRANSISTOR 2SK152-3
Q302	8-729-699-51	s	TRANSISTOR 2SA995
Q401	8-729-800-43	s	TRANSISTOR 2SK152-3
Q402	8-729-699-51	s	TRANSISTOR 2SA995
R25	⚠ 1-205-895-11	s	RES, CEMENT 39 10% 5W
R26	⚠ 1-205-895-11	s	RES, CEMENT 39 10% 5W
R42	1-215-401-11	s	RES, METAL 150 1% 1/6W
R88	⚠ 1-205-895-11	s	RES, CEMENT 39 10% 5W
R137	1-210-828-00	s	RES, CARBON 4.7M 5% 1/4W
R237	1-210-828-00	s	RES, CARBON 4.7M 5% 1/4W
R337	1-210-828-00	s	RES, CARBON 4.7M 5% 1/4W
R437	1-210-828-00	s	RES, CARBON 4.7M 5% 1/4W
RB1	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB2	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB3	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB4	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RV1	1-230-748-11	s	RES, VAR, CERMET 2K
RV2	1-230-748-11	s	RES, VAR, CERMET 2K
RV3	1-230-748-11	s	RES, VAR, CERMET 2K
RV4	1-230-748-11	s	RES, VAR, CERMET 2K
RV5	1-230-748-11	s	RES, VAR, CERMET 2K
RV6	1-230-748-11	s	RES, VAR, CERMET 2K
RV7	1-230-748-11	s	RES, VAR, CERMET 2K
RV8	1-230-748-11	s	RES, VAR, CERMET 2K
RV101	1-226-369-00	s	RES, VAR, CERMET 5K
RV102	1-230-748-11	s	RES, VAR, CERMET 2K
RV103	1-230-749-11	s	RES, VAR, CERMET 5K
RV104	1-230-750-11	s	RES, VAR, CERMET 10K
RV105	1-230-749-11	s	RES, VAR, CERMET 5K
RV201	1-226-369-00	s	RES, VAR, CERMET 5K
RV202	1-230-748-11	s	RES, VAR, CERMET 2K
RV203	1-230-749-11	s	RES, VAR, CERMET 5K
RV204	1-230-750-11	s	RES, VAR, CERMET 10K
RV205	1-230-749-11	s	RES, VAR, CERMET 5K
RV301	1-226-369-00	s	RES, VAR, CERMET 5K
RV302	1-230-748-11	s	RES, VAR, CERMET 2K
RV303	1-230-749-11	s	RES, VAR, CERMET 5K
RV304	1-230-750-11	s	RES, VAR, CERMET 10K
RV305	1-230-749-11	s	RES, VAR, CERMET 5K
RV401	1-226-369-00	s	RES, VAR, CERMET 5K
RV402	1-230-748-11	s	RES, VAR, CERMET 2K
RV403	1-230-749-11	s	RES, VAR, CERMET 5K
RV404	1-230-750-11	s	RES, VAR, CERMET 10K
RV405	1-230-749-11	s	RES, VAR, CERMET 5K
RV501	1-226-369-00	s	RES, VAR, CERMET 5K
RV502	1-230-748-11	s	RES, VAR, CERMET 2K
RV503	1-230-753-11	s	RES, VAR, CERMET 100K
RV504	1-230-747-11	s	RES, VAR, CERMET 1K
RV601	1-226-369-00	s	RES, VAR, CERMET 5K
RV602	1-230-748-11	s	RES, VAR, CERMET 2K
RV603	1-230-753-11	s	RES, VAR, CERMET 100K
RV604	1-230-747-11	s	RES, VAR, CERMET 1K
RV701	1-226-369-00	s	RES, VAR, CERMET 5K
RV702	1-230-748-11	s	RES, VAR, CERMET 2K
RV703	1-230-753-11	s	RES, VAR, CERMET 100K
RV704	1-230-747-11	s	RES, VAR, CERMET 1K
RV801	1-226-369-00	s	RES, VAR, CERMET 5K
RV802	1-230-748-11	s	RES, VAR, CERMET 2K

(AA-29 BOARD, DVPC-1000)

Ref. No. or Qty	Part No.	SP	Description
RV803	1-230-753-11	s	RES, VAR, CERMET 100K
RV804	1-230-747-11	s	RES, VAR, CERMET 1K
RY101	1-515-646-11	s	RELAY, LEED
RY201	1-515-646-11	s	RELAY, LEED
RY301	1-515-646-11	s	RELAY, LEED
RY401	1-515-646-11	s	RELAY, LEED
RY502	1-515-646-11	s	RELAY, LEED
RY602	1-515-646-11	s	RELAY, LEED
RY702	1-515-646-11	s	RELAY, LEED
RY802	1-515-646-11	s	RELAY, LEED
S101	1-554-397-21	s	SWITCH, TOGGLE
S201	1-554-397-21	s	SWITCH, TOGGLE
S301	1-554-397-21	s	SWITCH, TOGGLE
S401	1-554-397-21	s	SWITCH, TOGGLE
S501	1-554-397-21	s	SWITCH, TOGGLE
S601	1-554-397-21	s	SWITCH, TOGGLE
S701	1-554-397-21	s	SWITCH, TOGGLE
S801	1-554-397-21	s	SWITCH, TOGGLE
X1	1-567-659-12	s	CRYSTAL 47.73642000MHz

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

AC-69 BOARD, DVPC-1000

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6263-063-A	o	COMPLETE PCB, AC-69
(This assembly includes the following parts.)			
1pc	2-832-007-00	s	BUSHING (K), INSULATING
1pc	3-701-754-00	s	PLATE, INSULATING
1pc	7-628-254-10	s	SCREW +PSW 2.6X6
1pc	7-628-254-90	s	SCREW +PSW 2.6X14
C2	1-123-330-00	s	CAP, ELECT 22uF 20% 25V
C3	1-123-330-00	s	CAP, ELECT 22uF 20% 25V
C4	1-131-342-00	s	CAP, TANT 0.15uF 10% 35V
C5	1-161-890-11	s	CAP, CERAMIC 0.022uF 50V
C6	1-161-890-11	s	CAP, CERAMIC 0.022uF 50V
C9	1-161-890-11	s	CAP, CERAMIC 0.022uF 50V
C10	1-161-890-11	s	CAP, CERAMIC 0.022uF 50V
C11	1-131-355-00	s	CAP, TANT 2.2uF 10% 25V
C12	1-131-355-00	s	CAP, TANT 2.2uF 10% 25V
C13	1-123-350-00	s	CAP, ELECT 2200uF 20% 35V
C14	1-123-350-00	s	CAP, ELECT 2200uF 20% 35V
C15	1-123-350-00	s	CAP, ELECT 2200uF 20% 35V
C16	1-123-350-00	s	CAP, ELECT 2200uF 20% 35V
C17	1-123-350-00	s	CAP, ELECT 2200uF 20% 35V
C18	1-123-350-00	s	CAP, ELECT 2200uF 20% 35V
CN7M	⚠ 1-560-723-00	o	RECEP, IL 3P, MALE
CN8M	1-560-303-00	o	RECEP, IL 6P, MALE
CN9M	1-560-304-00	o	RECEP, IL 8P, MALE
CN10M	1-560-301-00	o	RECEP, IL 4P, MALE
CN11M	⚠ 1-560-176-00	o	RECEP, 2P, MALE
CN12M	1-560-303-00	o	RECEP, IL 6P, MALE
D1	8-719-100-38	s	DIODE RD6.2E-B2
D2	8-719-100-38	s	DIODE RD6.2E-B2
D3	8-719-100-44	s	DIODE RD7.5E-B2
D4	8-719-100-38	s	DIODE RD6.2E-B2
D5	8-719-200-02	s	DIODE 10E-2
D6	8-719-200-02	s	DIODE 10E-2
D7	8-719-200-02	s	DIODE 10E-2
D8	8-719-100-38	s	DIODE RD6.2E-B2
D9	8-719-100-38	s	DIODE RD6.2E-B2
D10	8-719-912-20	s	DIODE 1SS120
D11	8-719-200-02	s	DIODE 10E-2
D12	8-719-200-02	s	DIODE 10E-2
D13	8-719-912-20	s	DIODE 1SS120
D14	8-719-200-02	s	DIODE 10E-2
D15	8-719-200-02	s	DIODE 10E-2
D16	8-719-200-02	s	DIODE 10E-2
D17	8-719-200-02	s	DIODE 10E-2
D18	8-719-812-41	s	DIODE TLR124
D19	8-719-812-43	s	DIODE TLG124A
IC1	8-759-990-82	s	IC TL082CP
IC2	8-749-901-41	s	IC UFZ01B4A1
IC3	8-759-171-15	s	IC uPC7815H
IC4	8-759-179-15	s	IC uPC7915H
L1	1-421-329-00	s	COIL, CHOKE
L2	1-421-329-00	s	COIL, CHOKE
Q1	8-729-600-27	s	TRANSISTOR 2SC634-SP
Q2	8-729-199-82	s	TRANSISTOR 2SD998
Q3	8-729-600-27	s	TRANSISTOR 2SC634-SP
Q4	8-729-199-82	s	TRANSISTOR 2SD998
Q5	8-729-199-82	s	TRANSISTOR 2SD998
R1	1-214-156-00	s	RES, METAL 10K 1% 1/4W
R2	1-214-159-00	s	RES, METAL 13K 1% 1/4W
R3	1-214-161-00	s	RES, METAL 16K 1% 1/4W
R4	1-214-156-00	s	RES, METAL 10K 1% 1/4W
R5	1-214-132-00	s	RES, METAL 1K 1% 1/4W
R6	1-214-153-00	s	RES, METAL 7.5K 1% 1/4W
R7	1-247-223-00	s	RES, CARBON 200 5% 1/2W
R8	1-247-223-00	s	RES, CARBON 200 5% 1/2W
R9	1-247-733-11	s	RES, CARBON 33 5% 1/2W
R10	1-247-733-11	s	RES, CARBON 33 5% 1/2W
R11	1-214-116-00	s	RES, METAL 220 1% 1/4W
R12	1-214-180-00	s	RES, METAL 100K 1% 1/4W
R13	1-214-164-00	s	RES, METAL 22K 1% 1/4W
R14	1-214-144-00	s	RES, METAL 3.3K 1% 1/4W
R15	1-214-144-00	s	RES, METAL 3.3K 1% 1/4W

(AC-69 BOARD, DVPC-1000)

Ref. No. or Qty	Part No.	SP	Description
R16	1-214-153-00	s	RES, METAL 7.5K 1% 1/4W
R17	1-214-156-00	s	RES, METAL 10K 1% 1/4W
R18	1-214-153-00	s	RES, METAL 7.5K 1% 1/4W
R19	1-214-156-00	s	RES, METAL 10K 1% 1/4W
R22	1-247-733-11	s	RES, CARBON 33 5% 1/2W
R23	1-247-733-11	s	RES, CARBON 33 5% 1/2W
R24	1-214-127-00	s	RES, METAL 620 1% 1/4W
R25	1-214-127-00	s	RES, METAL 620 1% 1/4W
RV1	1-224-940-00	s	RES, VAR, METAL 10K
RY1	1-515-543-11	s	RELAY, REED
RY2	1-515-543-11	s	RELAY, REED
TP1	3-685-366-01	o	TERMINAL, TP
TP2	3-685-366-01	o	TERMINAL, TP
TP3	3-685-366-01	o	TERMINAL, TP
TP4	3-685-366-01	o	TERMINAL, TP
TP5	3-685-366-01	o	TERMINAL, TP
TP6	3-685-366-01	o	TERMINAL, TP
TPE1	3-685-366-11	o	TERMINAL, TP
TPE2	3-685-366-11	o	TERMINAL, TP
TPE3	3-685-366-11	o	TERMINAL, TP

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

AE-06 BOARD, DVPC-1000

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6019-006-B	o	COMPLETE PCB, AE-06

(This assembly includes the following parts.)

Ref. No. or Qty	Part No.	SP	Description
1pc	3-715-721-51	o	LABEL (2), SERIAL NUMBER
2pcs	3-673-249-00	o	LEVER, PC BOARD
2pcs	7-621-775-10	s	SCREW +B 2.6X4
2pcs	7-626-320-11	o	PIN, SPRING 3X8
2pcs	7-628-254-20	s	SCREW, +PSW 2.6X8
6pcs	7-628-253-40	s	SCREW, +PS 2X10
21pcs	7-628-254-10	s	SCREW, +PSW 2.6X6
CN1	1-566-385-11	s	PIN, CONNECTOR 2P
CN2	1-566-385-11	s	PIN, CONNECTOR 2P
CN101M	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103M	1-506-746-11	s	RECEP, DIN 48P, MALE
F1	⚠ 1-576-031-11	s	FUSE, MICRO 10A
F2	⚠ 1-576-031-11	s	FUSE, MICRO 10A
ICA1	8-759-794-20	s	IC PAL16L8B-AE06201
ICA2	8-759-202-93	s	IC TC74HC153P
ICA3	8-759-202-99	s	IC TC74HC173P
ICA4	8-759-202-99	s	IC TC74HC173P
ICA5	8-759-202-99	s	IC TC74HC173P
ICA6	8-759-202-99	s	IC TC74HC173P
ICA7	8-759-202-99	s	IC TC74HC173P
ICA8	8-759-202-99	s	IC TC74HC173P
ICA9	8-759-202-99	s	IC TC74HC173P
ICA10	8-759-202-99	s	IC TC74HC173P
ICA11	8-759-203-43	s	IC TC74HC534P
ICA12	8-759-202-26	s	IC TC74HC138P
ICA13	8-759-202-26	s	IC TC74HC138P
ICA14	8-759-004-80	s	IC MC74HCT374N
ICA17	8-759-779-83	s	IC MBL8742H-AE061011
ICA21	8-759-916-29	s	IC SN74HC74N
ICA22	8-759-916-29	s	IC SN74HC74N
ICA24	8-759-779-85	s	IC 27C512-AE06411
ICA29	8-759-203-54	s	IC TC74HC640P
ICA30	8-759-203-61	s	IC TC74HC688P
ICA31	8-759-916-65	s	IC SN74HC240N
ICA32	8-759-916-65	s	IC SN74HC240N
ICB2	8-759-202-99	s	IC TC74HC173P
ICB3	8-759-202-99	s	IC TC74HC173P
ICB4	8-759-202-99	s	IC TC74HC173P
ICB5	8-759-202-99	s	IC TC74HC173P
ICB6	8-759-202-99	s	IC TC74HC173P
ICB7	8-759-202-26	s	IC TC74HC138P
ICB8	8-759-202-26	s	IC TC74HC138P
ICB9	8-759-203-36	s	IC TC74HC374P
ICB10	8-759-203-36	s	IC TC74HC374P
ICB11	8-759-203-36	s	IC TC74HC374P
ICB13	8-759-103-88	s	IC uPD82C43CY
ICB14	8-759-103-88	s	IC uPD82C43CY
ICB16	8-759-103-88	s	IC uPD82C43CY
ICB19	8-759-202-11	s	IC TC74HC00P
ICB20	8-759-916-29	s	IC SN74HC74N
ICB21	8-759-202-11	s	IC TC74HC00P
ICB22	8-759-916-29	s	IC SN74HC74N
ICB23	8-759-004-80	s	IC MC74HCT374N
ICB26	8-752-304-30	s	IC CX23043
ICB27	8-759-202-32	s	IC TC74HC163P
ICB28	8-759-202-11	s	IC TC74HC00P
ICB29	8-759-202-21	s	IC TC74HC32P
ICB30	8-759-803-70	s	IC LC74HC08
ICB31	8-759-202-74	s	IC TC74HC04P
ICB32	8-759-936-69	s	IC SN74ALS534N
ICC2	8-759-202-99	s	IC TC74HC173P
ICC3	8-759-202-99	s	IC TC74HC173P
ICC4	8-759-203-36	s	IC TC74HC374P
ICC5	8-759-203-36	s	IC TC74HC374P
ICC6	8-759-203-36	s	IC TC74HC374P
ICC7	8-759-203-36	s	IC TC74HC374P
ICC8	8-759-203-36	s	IC TC74HC374P
ICC9	8-759-203-36	s	IC TC74HC374P
ICC10	8-759-203-36	s	IC TC74HC374P
ICC11	8-759-001-39	s	IC MC74HC164N
ICC19	8-759-900-04	s	IC SN74LS04N

(AE-06 BOARD, DVPC-1000)

Ref. No. or Qty	Part No.	SP	Description
ICC20	8-759-202-74	s	IC TC74HC04P
ICC21	8-759-202-74	s	IC TC74HC04P
ICC22	8-759-202-74	s	IC TC74HC04P
ICC23	8-759-202-74	s	IC TC74HC04P
ICC24	8-759-202-74	s	IC TC74HC04P
ICC25	8-759-202-75	s	IC TC74HCT04P
ICC26	8-759-202-75	s	IC TC74HCT04P
ICC27	8-752-304-30	s	IC CX23043
ICC29	8-759-900-00	s	IC SN74LS00N
ICC30	8-759-900-69	s	IC SN74ALS74AN
ICC31	8-759-900-04	s	IC SN74LS04N
ICC32	8-759-926-32	s	IC AM26LS32PC
ICD2	8-759-202-76	s	IC TC74HC30P
ICD3	8-759-918-33	s	IC CX20160
ICD4	8-759-203-36	s	IC TC74HC374P
ICD5	8-759-203-36	s	IC TC74HC374P
ICD6	8-759-203-36	s	IC TC74HC374P
ICD7	8-759-203-36	s	IC TC74HC374P
ICD8	8-759-203-36	s	IC TC74HC374P
ICD9	8-759-203-36	s	IC TC74HC374P
ICD10	8-759-203-36	s	IC TC74HC374P
ICD11	8-759-202-93	s	IC TC74HC153P
ICD12	8-759-202-93	s	IC TC74HC153P
ICD14	8-752-304-30	s	IC CX23043
ICD15	8-759-202-75	s	IC TC74HCT04P
ICD16	8-759-202-32	s	IC TC74HC163P
ICD18	8-752-304-30	s	IC CX23043
ICD19	8-752-304-30	s	IC CX23043
ICD21	8-752-304-30	s	IC CX23043
ICD22	8-759-916-29	s	IC SN74HC74N
ICD23	8-759-202-75	s	IC TC74HCT04P
ICD24	8-752-304-30	s	IC CX23043
ICD26	8-759-202-32	s	IC TC74HC163P
ICD27	8-759-203-13	s	IC TC74HCT241P
ICD28	8-759-203-13	s	IC TC74HCT241P
ICD29	8-759-203-13	s	IC TC74HCT241P
ICD30	8-759-112-21	s	IC uPD4314C-35
ICD31	8-759-912-48	s	IC SN74ALS874NT
ICD32	8-759-913-63	s	IC SN74ALS374N
ICE2	8-759-202-16	s	IC TC74HC11P
ICE3	8-759-202-11	s	IC TC74HC00P
ICE4	8-759-202-21	s	IC TC74HC32P
ICE5	8-759-916-29	s	IC SN74HC74N
ICE6	8-759-900-00	s	IC SN74LS00N
ICE7	8-759-900-02	s	IC SN74LS02N
ICE8	8-759-900-04	s	IC SN74LS04N
ICE9	8-759-912-48	s	IC SN74ALS874NT
ICE10	8-759-112-21	s	IC uPD4314C-35
ICE11	8-759-913-63	s	IC SN74ALS374N
ICE13	8-759-775-52	s	IC MB7142H-AE06011
ICE14	8-759-794-16	s	IC PAL16R8B-AE06211
ICE15	8-759-203-36	s	IC TC74HC374P
ICE16	8-759-203-36	s	IC TC74HC374P
ICE17	8-759-203-36	s	IC TC74HC374P
ICE18	8-759-203-36	s	IC TC74HC374P
ICE19	8-759-203-36	s	IC TC74HC374P
ICE20	8-759-203-36	s	IC TC74HC374P
ICE21	8-759-203-36	s	IC TC74HC374P
ICE22	8-759-203-36	s	IC TC74HC374P
ICE23	8-759-203-18	s	IC TC74HC253P
ICE24	8-759-203-18	s	IC TC74HC253P
ICE25	8-759-794-21	s	IC PAL16L8B-AE06221
ICE26	8-759-202-32	s	IC TC74HC163P
ICE27	8-759-202-15	s	IC TC74HC10P
ICE28	8-759-001-63	s	IC MC74HC595N
ICE29	8-759-202-93	s	IC TC74HC153P
ICE30	8-759-803-70	s	IC LC74HC08
ICE31	8-759-913-63	s	IC SN74ALS374N
ICE32	8-759-004-80	s	IC MC74HCT374N
ICF2	8-759-918-33	s	IC CX20160

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(AE-06 BOARD, DVPC-1000)

Ref. No. or Qty	Part No.	SP	Description
ICF3	8-759-203-16	s	IC TC74HCT244P
ICF4	8-759-921-83	s	IC SN74HC4078N
ICF5	8-759-803-70	s	IC LC74HC08
ICF6	8-759-202-99	s	IC TC74HC173P
ICF7	8-759-202-99	s	IC TC74HC173P
ICF8	8-759-202-82	s	IC TC74HC85P
ICF9	8-759-233-05	s	IC TC74HC283AP
ICF10	8-759-202-55	s	IC TC74HC244P
ICF11	8-759-989-69	s	IC SN74LS86AN
ICF12	8-759-203-01	s	IC TC74HC175P
ICF13	8-759-913-63	s	IC SN74ALS374N
ICF14	8-759-774-73	s	IC MB7138HSK-AE06021
ICF15	8-759-912-48	s	IC SN74ALS874NT
ICF16	8-759-912-48	s	IC SN74ALS874NT
ICF17	8-759-916-29	s	IC SN74HC74N
ICF18	8-759-916-29	s	IC SN74HC74N
ICF19	8-759-916-29	s	IC SN74HC74N
ICF20	8-759-916-29	s	IC SN74HC74N
ICF21	8-759-912-48	s	IC SN74ALS874NT
ICF22	8-759-912-48	s	IC SN74ALS874NT
ICF23	8-759-780-44	s	IC 27C512-AE06422
ICF25	8-759-912-48	s	IC SN74ALS874NT
ICF26	8-759-912-48	s	IC SN74ALS874NT
ICF27	8-759-912-48	s	IC SN74ALS874NT
ICF28	8-759-202-99	s	IC TC74HC173P
ICF29	8-759-202-99	s	IC TC74HC173P
ICF30	8-759-202-99	s	IC TC74HC173P
ICF31	8-759-202-99	s	IC TC74HC173P
ICF32	8-759-913-63	s	IC SN74ALS374N
ICG2	8-759-202-24	s	IC TC74HC86P
ICG3	8-759-202-15	s	IC TC74HC10P
ICG4	8-759-004-80	s	IC MC74HCT374N
ICG5	8-759-918-33	s	IC CX20160
ICG6	8-759-918-33	s	IC CX20160
ICG7	8-759-803-70	s	IC LC74HC08
ICG8	8-759-202-21	s	IC TC74HC32P
ICG9	8-759-202-99	s	IC TC74HC173P
ICG10	8-759-202-99	s	IC TC74HC173P
ICG11	8-759-916-29	s	IC SN74HC74N
ICG12	8-759-233-05	s	IC TC74HC283AP
ICG13	8-759-916-50	s	IC SN74HC157N
ICG14	8-759-916-50	s	IC SN74HC157N
ICG15	8-759-916-50	s	IC SN74HC157N
ICG16	8-759-916-50	s	IC SN74HC157N
ICG17	8-759-202-26	s	IC TC74HC138P
ICG18	8-759-202-30	s	IC TC74HC161P
ICG19	8-759-202-30	s	IC TC74HC161P
ICG20	8-759-202-30	s	IC TC74HC161P
ICG21	8-759-202-30	s	IC TC74HC161P
ICG22	8-759-202-74	s	IC TC74HC04P
ICG23	8-759-786-33	s	IC MBM27C256A-AE06131
ICG25	8-759-786-34	s	IC MBM27C256A-AE06141
ICG27	8-759-202-99	s	IC TC74HC173P
ICG28	8-759-202-99	s	IC TC74HC173P
ICG29	8-759-903-84	s	IC SN74LS384N
ICG30	8-759-903-84	s	IC SN74LS384N
ICG31	8-759-903-84	s	IC SN74LS384N
ICG32	8-759-903-84	s	IC SN74LS384N
ICH2	8-759-912-48	s	IC SN74ALS874NT
ICH3	8-759-912-48	s	IC SN74ALS874NT
ICH4	8-759-203-18	s	IC TC74HC253P
ICH5	8-759-203-18	s	IC TC74HC253P
ICH6	8-759-004-80	s	IC MC74HCT374N
ICH7	8-759-203-36	s	IC TC74HC374P
ICH8	8-759-203-36	s	IC TC74HC374P
ICH9	8-759-203-36	s	IC TC74HC374P
ICH10	8-759-203-36	s	IC TC74HC374P
ICH11	8-759-203-36	s	IC TC74HC374P
ICH12	8-759-203-36	s	IC TC74HC374P
ICH13	8-759-203-36	s	IC TC74HC374P

(AE-06 BOARD, DVPC-1000)

Ref. No. or Qty	Part No.	SP	Description
ICH14	8-759-203-36	s	IC TC74HC374P
ICH15	8-759-774-52	s	IC MB7118H-AE06031
ICH16	8-759-004-80	s	IC MC74HCT374N
ICH17	8-759-803-70	s	IC LC74HC08
ICH18	8-759-913-63	s	IC SN74ALS374N
ICH19	8-759-916-50	s	IC SN74HC157N
ICH20	8-759-774-09	s	IC MB7226RA-AE06041
ICH21	8-759-775-34	s	IC MBM27C32-AE06151
ICH27	8-759-202-99	s	IC TC74HC173P
ICH28	8-759-202-99	s	IC TC74HC173P
ICH29	8-759-903-04	s	IC SN74LS595N
ICH30	8-759-900-74	s	IC SN74LS74AN
ICH31	8-759-901-83	s	IC SN74LS183N
ICH32	8-759-202-93	s	IC TC74HC153P
ICJ2	8-759-112-21	s	IC uPD4314C-35
ICJ3	8-759-112-31	s	IC uPD4311C-35
ICJ4	8-759-787-54	s	IC MBM27C256A-AE06162
ICJ6	8-759-774-10	s	IC MB7226RA-AE06051
ICJ7	8-759-203-13	s	IC TC74HCT241P
ICJ8	8-759-203-13	s	IC TC74HCT241P
ICJ9	8-759-794-18	s	IC PAL16R8B-AE06531
ICJ10	8-759-918-33	s	IC CX20160
ICJ11	8-759-918-33	s	IC CX20160
ICJ12	8-759-904-06	s	IC SN74LS686NT
ICJ13	8-759-904-06	s	IC SN74LS686NT
ICJ14	8-759-916-29	s	IC SN74HC74N
ICJ15	8-759-202-21	s	IC TC74HC32P
ICJ16	8-759-803-70	s	IC LC74HC08
ICJ17	8-759-900-00	s	IC SN74LS00N
ICJ18	8-759-202-11	s	IC TC74HC00P
ICJ20	8-759-786-27	s	IC MBM27C256A-AE06171
ICJ22	8-759-787-55	s	IC MBM27C256A-AE06182
ICJ24	8-759-004-80	s	IC MC74HCT374N
ICJ25	8-759-004-80	s	IC MC74HCT374N
ICJ26	8-759-203-12	s	IC TC74HC241P
ICJ27	8-759-203-12	s	IC TC74HC241P
ICJ28	8-752-326-64	s	IC CXK5464PN-55L
ICJ29	8-759-912-48	s	IC SN74ALS874NT
ICJ30	8-759-202-93	s	IC TC74HC153P
ICJ31	8-759-202-93	s	IC TC74HC153P
ICJ32	8-759-913-63	s	IC SN74ALS374N
ICK2	8-759-203-12	s	IC TC74HC241P
ICK3	8-759-203-12	s	IC TC74HC241P
ICK4	8-759-004-80	s	IC MC74HCT374N
ICK5	8-759-774-90	s	IC MB7124H-AE06061
ICK6	8-759-918-33	s	IC CX20160
ICK7	8-759-004-80	s	IC MC74HCT374N
ICK8	8-759-001-63	s	IC MC74HC595N
ICK9	8-759-001-63	s	IC MC74HC595N
ICK10	8-759-202-24	s	IC TC74HC86P
ICK11	8-759-202-24	s	IC TC74HC86P
ICK12	8-759-202-24	s	IC TC74HC86P
ICK13	8-759-202-24	s	IC TC74HC86P
ICK14	8-752-304-30	s	IC CX23043
ICK15	8-752-304-30	s	IC CX23043
ICK17	8-759-779-86	s	IC MB7124H-AE06371
ICK18	8-759-004-80	s	IC MC74HCT374N
ICK19	8-759-202-34	s	IC TC74HC257P
ICK24	8-759-004-80	s	IC MC74HCT374N
ICK25	8-759-004-80	s	IC MC74HCT374N
ICK26	8-759-203-12	s	IC TC74HC241P
ICK27	8-759-203-12	s	IC TC74HC241P
ICK28	8-759-202-55	s	IC TC74HC244P
ICK29	8-759-202-34	s	IC TC74HC257P
ICK30	8-759-112-37	s	IC uPD41101C-3
ICK31	8-759-774-45	s	IC MB7128H-AE06081
ICK32	8-759-913-63	s	IC SN74ALS374N
ICK33	8-759-912-48	s	IC SN74ALS874NT
L1	1-421-370-00	s	COIL, CHOKE

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(AE-06 BOARD, DVPC-1000)

Ref. No. or Qty	Part No.	SP	Description
L2	1-421-370-00	s	COIL, CHOKE
L3	1-421-370-00	s	COIL, CHOKE
L4	1-421-370-00	s	COIL, CHOKE
RB1	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB2	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB3	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB4	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB5	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB6	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB7	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB8	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB9	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB10	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB11	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB12	1-231-549-11	s	RESISTOR BLOCK, 47KX4
RB13	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB14	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB15	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB16	1-231-385-00	s	RESISTOR BLOCK, 4.7KX8
RB17	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB18	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB19	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB20	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB21	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB22	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB23	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB24	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB25	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB26	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB27	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB28	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB29	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB30	1-231-533-00	s	RESISTOR BLOCK, 10KX4
S1	1-554-080-00	s	SWITCH, ROTARY
X1	1-527-828-00	s	CRYSTAL 12.000MHz

AN-01 BOARD, DVPC-1000

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6019-010-A	o	COMPLETE PCB, AN-01

(This assembly includes the following parts.)

Ref. No. or Qty	Part No.	SP	Description
1pc	3-715-721-91	o	LABEL (2), SERIAL NUMBER
2pcs	7-621-775-10	s	SCREW, +B 2.6X4
2pcs	3-673-249-00	o	LEVER, PC BOARD
2pcs	7-626-320-11	o	PIN, SPRING 3X8
2pcs	7-628-254-20	s	SCREW, +PSW 2.6X8
6pcs	7-628-253-40	s	SCREW, +PS 2X10
21pcs	7-628-254-10	s	SCREW, +PSW, 2.6X6
C1	1-131-361-00	s	CAP, TANT 2.2uF 20% 20V
C2	1-131-361-00	s	CAP, TANT 2.2uF 20% 20V
C15	1-131-361-00	s	CAP, TANT 2.2uF 20% 20V
C16	1-131-361-00	s	CAP, TANT 2.2uF 20% 20V
CN101M	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103M	1-506-746-11	s	RECEP, DIN 48P, MALE
D1	8-719-404-07	s	DIODE LN45YP
D2	8-719-404-07	s	DIODE LN45YP
D3	8-719-800-60	s	DIODE TLR214
D4	8-719-800-60	s	DIODE TLR214
F1	⚠ 1-532-926-12	s	FUSE, MICRO 10A
F2	⚠ 1-532-926-12	s	FUSE, MICRO 10A
ICA1	8-759-202-86	s	IC TC74HC123P
ICA2	8-759-203-36	s	IC TC74HC374P
ICA6	8-759-774-30	s	IC MB7226RA-AN01181
ICA7	8-759-774-29	s	IC MB7226RA-AN01171
ICA8	8-759-774-44	s	IC MB7232RA-AN01191
ICA9	8-759-774-26	s	IC MB7226RA-AN01141
ICA10	8-759-777-02	s	IC MB7226RA-AN01152
ICA11	8-759-777-69	s	IC MB7226RA-AN01162
ICA12	8-759-774-25	s	IC MB7226RA-AN01131
ICA13	8-759-774-24	s	IC MB7226RA-AN01121
ICA15	8-759-202-32	s	IC TC74HC163P
ICA16	8-759-202-32	s	IC TC74HC163P
ICA18	8-759-791-06	s	IC VP16V8E-AN01371
ICA20	8-759-791-05	s	IC VP16V8E-AN01361
ICA21	8-759-791-04	s	IC VP16V8E-AN01351
ICA22	8-759-791-03	s	IC VP16V8E-AN01341
ICA23	8-759-791-02	s	IC VP16V8E-AN01331
ICA24	8-759-791-01	s	IC VP16V8E-AN01321
ICB1	8-759-202-86	s	IC TC74HC123P
ICB2	8-759-001-31	s	IC MC74HC151N
ICB9	8-759-912-48	s	IC SN74ALS874NT
ICB10	8-759-904-18	s	IC SN74ALS00AN
ICB11	8-759-202-32	s	IC TC74HC163P
ICB12	8-759-202-32	s	IC TC74HC163P
ICB14	8-752-304-30	s	IC CX23043
ICB15	8-752-304-30	s	IC CX23043
ICB16	8-759-790-92	s	IC VP16V8E-AN01231
ICB17	8-759-775-46	s	IC MBM27C32-AN01091
ICB19	8-759-775-45	s	IC MBM27C32-AN01081
ICB20	8-759-918-33	s	IC CX20160
ICB21	8-759-918-33	s	IC CX20160
ICB22	8-759-918-33	s	IC CX20160
ICB23	8-759-918-33	s	IC CX20160
ICB24	8-759-777-01	s	IC MBM27C32-AN01052
ICB26	8-759-778-58	s	IC MBL8742H-AN013812
ICB27	8-759-203-61	s	IC TC74HC688P
ICB28	8-759-203-54	s	IC TC74HC640P
ICC1	8-759-202-24	s	IC TC74HC86P
ICC2	8-759-203-36	s	IC TC74HC374P
ICC3	8-759-916-07	s	IC CX23038
ICC5	8-759-203-36	s	IC TC74HC374P
ICC6	8-759-202-93	s	IC TC74HC153P
ICC7	8-759-202-93	s	IC TC74HC153P
ICC8	8-759-202-21	s	IC TC74HC32P
ICC14	8-759-112-25	s	IC uPD4361C-45
ICC15	8-759-112-25	s	IC uPD4361C-45
ICC16	8-759-004-80	s	IC MC74HCT374N
ICC17	8-759-903-84	s	IC SN74LS384N
ICC19	8-759-775-44	s	IC MBM27C32-AN01071
ICC20	8-759-918-33	s	IC CX20160

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(AN-01 BOARD, DVPC-1000)

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICC21	8-759-918-33	s	IC CX20160
ICC22	8-759-918-33	s	IC CX20160
ICC23	8-759-918-33	s	IC CX20160
ICC24	8-759-775-43	s	IC MBM27C32-AN01061
ICC27	8-759-202-33	s	IC TC74HC240P
ICD1	8-759-202-24	s	IC TC74HC86P
ICD2	8-759-774-23	s	IC MB7226RA-AN01111
ICD3	8-759-775-47	s	IC MBM27C32-AN01101
ICD5	8-759-918-33	s	IC CX20160
ICD6	8-759-918-33	s	IC CX20160
ICD7	8-759-203-36	s	IC TC74HC374P
ICD8	8-759-202-93	s	IC TC74HC153P
ICD9	8-759-202-27	s	IC TC74HC157P
ICD10	8-759-916-07	s	IC CX23038
ICD12	8-759-916-07	s	IC CX23038
ICD14	8-759-202-21	s	IC TC74HC32P
ICD15	8-759-202-74	s	IC TC74HC04P
ICD16	8-752-304-30	s	IC CX23043
ICD17	8-759-202-93	s	IC TC74HC153P
ICD18	8-759-202-93	s	IC TC74HC153P
ICD19	8-759-202-93	s	IC TC74HC153P
ICD20	8-759-202-93	s	IC TC74HC153P
ICD21	8-759-203-52	s	IC TC74HC595P
ICD22	8-759-912-48	s	IC SN74ALS874NT
ICD23	8-759-202-93	s	IC TC74HC153P
ICD24	8-759-202-11	s	IC TC74HC00P
ICD25	8-759-202-76	s	IC TC74HC30P
ICD26	8-759-203-36	s	IC TC74HC374P
ICD27	8-759-202-33	s	IC TC74HC240P
ICE10	8-759-202-27	s	IC TC74HC157P
ICE11	8-759-202-27	s	IC TC74HC157P
ICE12	8-759-004-80	s	IC MC74HCT374N
ICE13	8-759-202-27	s	IC TC74HC157P
ICE15	8-759-918-33	s	IC CX20160
ICE16	8-759-790-90	s	IC VP16V8E-AN01211
ICE17	8-759-790-97	s	IC VP16V8E-AN01281
ICE18	8-759-790-97	s	IC VP16V8E-AN01281
ICE19	8-759-790-97	s	IC VP16V8E-AN01281
ICE20	8-759-790-97	s	IC VP16V8E-AN01281
ICE21	8-759-202-27	s	IC TC74HC157P
ICE22	8-759-790-98	s	IC VP16V8E-AN01291
ICE23	8-759-790-99	s	IC VP16V8E-AN01301
ICE24	8-759-202-32	s	IC TC74HC163P
ICE25	8-759-202-32	s	IC TC74HC163P
ICE26	8-759-112-18	s	IC uPD4362C-45
ICE27	8-759-912-48	s	IC SN74ALS874NT
ICF2	8-759-103-88	s	IC uPD82C43CY
ICF3	8-759-103-88	s	IC uPD82C43CY
ICF4	8-759-001-31	s	IC MC74HC151N
ICF5	8-759-203-52	s	IC TC74HC595P
ICF6	8-759-103-88	s	IC uPD82C43CY
ICF7	8-759-202-27	s	IC TC74HC157P
ICF8	8-759-202-27	s	IC TC74HC157P
ICF9	8-759-103-88	s	IC uPD82C43CY
ICF10	8-759-202-27	s	IC TC74HC157P
ICF11	8-759-202-27	s	IC TC74HC157P
ICF12	8-759-004-80	s	IC MC74HCT374N
ICF13	8-759-202-27	s	IC TC74HC157P
ICF14	8-759-901-44	s	IC 74F240PC
ICF15	8-759-901-44	s	IC 74F240PC
ICF16	8-759-790-91	s	IC VP16V8E-AN01221
ICF17	8-759-903-85	s	IC SN74LS385N
ICF18	8-759-904-80	s	IC 74F04PC
ICF20	8-759-790-96	s	IC VP16V8E-AN01271
ICF21	8-759-790-98	s	IC VP16V8E-AN01291
ICF22	8-759-790-99	s	IC VP16V8E-AN01301
ICF23	8-759-202-74	s	IC TC74HC04P
ICF25	8-759-202-32	s	IC TC74HC163P
ICF26	8-759-202-32	s	IC TC74HC163P
ICG1	8-759-103-88	s	IC uPD82C43CY

(AN-01 BOARD, DVPC-1000)

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICG2	8-759-103-88	s	IC uPD82C43CY
ICG3	8-759-001-31	s	IC MC74HC151N
ICG4	8-759-001-31	s	IC MC74HC151N
ICG5	8-759-103-88	s	IC uPD82C43CY
ICG6	8-759-202-56	s	IC TC74HC245P
ICG7	8-759-202-98	s	IC TC74HC166P
ICG8	8-759-790-93	s	IC VP16V8E-AN01241
ICG9	8-759-918-33	s	IC CX20160
ICG10	8-759-790-94	s	IC VP16V8E-AN01251
ICG11	8-759-913-63	s	IC SN74ALS374N
ICG12	8-759-001-39	s	IC MC74HC164N
ICG13	8-759-775-51	s	IC MB7112H-AN01041
ICG14	8-759-903-84	s	IC SN74LS384N
ICG15	8-759-775-50	s	IC MB7112H-AN01031
ICG16	8-759-903-84	s	IC SN74LS384N
ICG17	8-759-903-79	s	IC SN74LS379N
ICG20	8-759-904-80	s	IC 74F04PC
ICG21	8-759-202-11	s	IC TC74HC00P
ICG22	8-759-904-81	s	IC 74F08PC
ICG23	8-759-904-80	s	IC 74F04PC
ICG24	8-759-904-80	s	IC 74F04PC
ICG25	8-759-000-99	s	IC MC74HC74N
ICG26	8-759-926-32	s	IC AM26LS32PC
ICH1	8-759-202-26	s	IC TC74HC138P
ICH2	8-759-112-25	s	IC uPD4361C-45
ICH3	8-759-202-74	s	IC TC74HC04P
ICH4	8-759-112-25	s	IC uPD4361C-45
ICH5	8-759-902-94	s	IC SN74LS590N
ICH6	8-759-202-21	s	IC TC74HC32P
ICH7	8-759-203-52	s	IC TC74HC595P
ICH8	8-759-001-39	s	IC MC74HC164N
ICH9	8-759-903-84	s	IC SN74LS384N
ICH10	8-759-903-84	s	IC SN74LS384N
ICH11	8-759-001-39	s	IC MC74HC164N
ICH12	8-759-918-33	s	IC CX20160
ICH13	8-759-203-36	s	IC TC74HC374P
ICH14	8-759-203-36	s	IC TC74HC374P
ICH15	8-759-203-36	s	IC TC74HC374P
ICH16	8-759-775-49	s	IC MB7112H-AN01021
ICH17	8-759-903-84	s	IC SN74LS384N
ICH18	8-759-903-85	s	IC SN74LS385N
ICH20	8-759-904-26	s	IC SN74ALS08N
ICH21	8-759-904-26	s	IC SN74ALS08N
ICH22	8-759-903-77	s	IC SN74LS377N
ICH23	8-759-790-89	s	IC VP16V8E-AN01201
ICH24	8-759-004-80	s	IC MC74HCT374N
ICH25	8-759-913-63	s	IC SN74ALS374N
ICH26	8-759-913-63	s	IC SN74ALS374N
ICH27	8-759-202-74	s	IC TC74HC04P
ICH28	8-759-202-12	s	IC TC74HC02P
ICJ1	8-759-103-88	s	IC uPD82C43CY
ICJ2	8-752-304-30	s	IC CX23043
ICJ4	8-752-304-30	s	IC CX23043
ICJ5	8-759-202-55	s	IC TC74HC244P
ICJ6	8-759-791-00	s	IC VP16V8E-AN01311
ICJ7	8-752-322-10	s	IC CXK5814P-45L
ICJ8	8-759-001-39	s	IC MC74HC164N
ICJ9	8-759-903-84	s	IC SN74LS384N
ICJ10	8-759-903-84	s	IC SN74LS384N
ICJ11	8-759-903-85	s	IC SN74LS385N
ICJ12	8-759-790-95	s	IC VP16V8E-AN01261
ICJ13	8-759-918-33	s	IC CX20160
ICJ14	8-759-918-33	s	IC CX20160
ICJ15	8-759-918-33	s	IC CX20160
ICJ16	8-759-775-33	s	IC MBM27C256-AN01011
ICJ17	8-759-112-37	s	IC uPD41101C-3
ICJ18	8-759-112-37	s	IC uPD41101C-3
ICJ20	8-759-112-37	s	IC uPD41101C-3
ICJ21	8-759-112-37	s	IC uPD41101C-3
ICJ22	8-759-112-37	s	IC uPD41101C-3

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(AN-01 BOARD, DVPC-1000)

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICJ23	8-759-918-33	s	IC CX20160
ICJ24	8-759-202-93	s	IC TC74HC153P
ICJ25	8-759-203-36	s	IC TC74HC374P
ICJ28	8-752-304-30	s	IC CX23043
JP1	1-560-733-00	s	PIN, SHORT
JP2	1-560-733-00	s	PIN, SHORT
JP3	1-560-733-00	s	PIN, SHORT
JS1	1-561-832-00	s	SOCKET, SHORT
JS2	1-561-832-00	s	SOCKET, SHORT
JS3	1-561-832-00	s	SOCKET, SHORT
JS4	1-561-832-00	s	SOCKET, SHORT
JS5	1-561-832-00	s	SOCKET, SHORT
JS6	1-561-832-00	s	SOCKET, SHORT
JS7	1-561-832-00	s	SOCKET, SHORT
JS8	1-561-832-00	s	SOCKET, SHORT
JS9	1-561-832-00	s	SOCKET, SHORT
JS10	1-561-832-00	s	SOCKET, SHORT
L1	1-421-370-00	s	COIL, CHOKE
L2	1-421-370-00	s	COIL, CHOKE
L3	1-421-370-00	s	COIL, CHOKE
L4	1-421-370-00	s	COIL, CHOKE
RB1	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB2	1-231-398-00	s	RESISTOR BLOCK, 270X8
RB3	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB4	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB5	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB6	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB7	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB8	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB9	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB10	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB11	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB12	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB13	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB14	1-231-410-00	s	RESISTOR BLOCK, 10KX8
S1	1-570-623-11	s	SWITCH, DIP 4CKT
S2	1-553-925-00	s	SWITCH, ROTARY
S3	1-553-925-00	s	SWITCH, ROTARY
S4	1-553-925-00	s	SWITCH, ROTARY
S5	1-553-925-00	s	SWITCH, ROTARY
S6	1-554-027-00	s	SWITCH, ROTARY
S7	1-554-027-00	s	SWITCH, ROTARY
S8	1-553-925-00	s	SWITCH, ROTARY
S9	1-553-925-00	s	SWITCH, ROTARY
S10	1-554-080-00	s	SWITCH, ROTARY
X1	1-527-828-00	s	CRYSTAL 12.000MHz

AN-01 BOARD, DVPC-1000

#10701 & UP (J)
#21001 & UP (UC)
#11001 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6019-010-B	o	COMPLETE PCB, AN-01
(This assembly includes the following parts.)			
1pc	3-715-721-91	o	LABEL (2), SERIAL NUMBER
2pcs	7-621-775-10	s	SCREW, +B 2.6X4
2pcs	3-673-249-00	o	LEVER, PC BOARD
2pcs	7-626-320-11	o	PIN, SPRING 3X8
2pcs	7-628-254-20	s	SCREW, +PSW 2.6X8
6pcs	7-628-253-40	s	SCREW, +PS 2X10
21pcs	7-628-254-10	s	SCREW, +PSW, 2.6X6
C1	1-131-361-00	s	CAP, TANT 2.2uF 20% 20V
C2	1-131-361-00	s	CAP, TANT 2.2uF 20% 20V
C15	1-131-361-00	s	CAP, TANT 2.2uF 20% 20V
C16	1-131-361-00	s	CAP, TANT 2.2uF 20% 20V
CN101M	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103M	1-506-746-11	s	RECEP, DIN 48P, MALE
D1	8-719-404-07	s	DIODE LN45YP
D2	8-719-404-07	s	DIODE LN45YP
D3	8-719-800-60	s	DIODE TLR214
D4	8-719-800-60	s	DIODE TLR214
F1	⚠ 1-576-031-11	s	FUSE, MICRO 10A
F2	⚠ 1-576-031-11	s	FUSE, MICRO 10A
ICA1	8-759-202-86	s	IC TC74HC123P
ICA2	8-759-203-36	s	IC TC74HC374P
ICA6	8-759-774-30	s	IC MB7226RA-AN01181
ICA8	8-759-774-44	s	IC MB7232RA-AN01191
ICA9	8-759-774-26	s	IC MB7226RA-AN01141
ICA10	8-759-777-02	s	IC MB7226RA-AN01152
ICA11	8-759-777-69	s	IC MB7226RA-AN01162
ICA12	8-759-774-25	s	IC MB7226RA-AN01131
ICA13	8-759-780-66	s	IC MB7226RA-AN01441
ICA15	8-759-202-32	s	IC TC74HC163P
ICA16	8-759-202-32	s	IC TC74HC163P
ICA18	8-759-795-18	s	IC PAL16R8B-AN01371
ICA20	8-759-795-21	s	IC PAL16R8B-AN01431
ICA21	8-759-795-16	s	IC PAL16R8B-AN01351
ICA23	8-759-795-14	s	IC PAL16R8B-AN01331
ICA24	8-759-795-13	s	IC PAL16R8B-AN01321
ICB1	8-759-202-86	s	IC TC74HC123P
ICB2	8-759-202-92	s	IC TC74HC151P
ICB9	8-759-912-48	s	IC SN74ALS874NT
ICB10	8-759-904-18	s	IC SN74ALS00AN
ICB11	8-759-202-32	s	IC TC74HC163P
ICB12	8-759-202-32	s	IC TC74HC163P
ICB14	8-752-304-30	s	IC CX23043
ICB15	8-752-304-30	s	IC CX23043
ICB16	8-759-795-06	s	IC PAL16R8B-AN01231
ICB19	8-759-775-45	s	IC MBM27C32-AN01081
ICB20	8-759-918-33	s	IC CX20160
ICB21	8-759-918-33	s	IC CX20160
ICB22	8-759-918-33	s	IC CX20160
ICB23	8-759-918-33	s	IC CX20160
ICB24	8-759-777-01	s	IC MBM27C32-AN01052
ICB26	8-759-983-37	s	IC MBL8742H-AN013817
ICB27	8-759-203-61	s	IC TC74HC688P
ICB28	8-759-203-54	s	IC TC74HC640P
ICC1	8-759-202-24	s	IC TC74HC86P
ICC2	8-759-203-36	s	IC TC74HC374P
ICC3	8-759-916-07	s	IC CX23038
ICC5	8-759-203-36	s	IC TC74HC374P
ICC6	8-759-202-93	s	IC TC74HC153P
ICC7	8-759-202-93	s	IC TC74HC153P
ICC8	8-759-904-83	s	IC 74F32PC
ICC14	8-759-112-25	s	IC uPD4361C-45
ICC15	8-759-112-25	s	IC uPD4361C-45
ICC16	8-759-004-80	s	IC MC74HCT374N
ICC17	8-759-903-84	s	IC SN74LS384N
ICC19	8-759-775-44	s	IC MBM27C32-AN01071
ICC20	8-759-918-33	s	IC CX20160

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(AN-01 BOARD, DVPC-1000)

#10701 & UP (J)
#21001 & UP (UC)
#11001 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICC21	8-759-918-33	s	IC CX20160
ICC22	8-759-918-33	s	IC CX20160
ICC23	8-759-918-33	s	IC CX20160
ICC24	8-759-775-43	s	IC MBM27C32-AN01061
ICC27	8-759-916-65	s	IC SN74HC240N
ICD1	8-759-202-24	s	IC TC74HC86P
ICD2	8-759-774-23	s	IC MB7226RA-AN01111
ICD3	8-759-775-47	s	IC MBM27C32-AN01101
ICD5	8-759-918-33	s	IC CX20160
ICD6	8-759-918-33	s	IC CX20160
ICD7	8-759-203-36	s	IC TC74HC374P
ICD8	8-759-202-93	s	IC TC74HC153P
ICD9	8-759-916-50	s	IC SN74HC157N
ICD10	8-759-916-07	s	IC CX23038
ICD12	8-759-916-07	s	IC CX23038
ICD14	8-759-904-83	s	IC 74F32PC
ICD15	8-759-202-74	s	IC TC74HC04P
ICD16	8-752-304-30	s	IC CX23043
ICD17	8-759-202-93	s	IC TC74HC153P
ICD18	8-759-202-93	s	IC TC74HC153P
ICD19	8-759-202-93	s	IC TC74HC153P
ICD20	8-759-202-93	s	IC TC74HC153P
ICD21	8-759-001-63	s	IC MC74HC595N
ICD22	8-759-912-48	s	IC SN74ALS874NT
ICD23	8-759-202-93	s	IC TC74HC153P
ICD24	8-759-202-11	s	IC TC74HC00P
ICD25	8-759-202-76	s	IC TC74HC30P
ICD26	8-759-203-36	s	IC TC74HC374P
ICD27	8-759-916-65	s	IC SN74HC240N
ICE10	8-759-916-50	s	IC SN74HC157N
ICE11	8-759-916-50	s	IC SN74HC157N
ICE12	8-759-004-80	s	IC MC74HCT374N
ICE13	8-759-916-50	s	IC SN74HC157N
ICE17	8-759-793-92	s	IC PAL16R6B-AN01281
ICE18	8-759-793-92	s	IC PAL16R6B-AN01281
ICE19	8-759-793-92	s	IC PAL16R6B-AN01281
ICE20	8-759-793-92	s	IC PAL16R6B-AN01281
ICE21	8-759-916-50	s	IC SN74HC157N
ICE22	8-759-795-11	s	IC PAL16R8B-AN01291
ICE23	8-759-793-93	s	IC PAL16R4B-AN01301
ICE24	8-759-202-32	s	IC TC74HC163P
ICE25	8-759-202-32	s	IC TC74HC163P
ICE26	8-752-326-64	s	IC CXK5464PN-55L
ICE27	8-759-912-48	s	IC SN74ALS874NT
ICF2	8-759-103-88	s	IC uPD82C43CY
ICF3	8-759-103-88	s	IC uPD82C43CY
ICF4	8-759-202-92	s	IC TC74HC151N
ICF5	8-759-001-63	s	IC MC74HC595N
ICF6	8-759-103-88	s	IC uPD82C43CY
ICF7	8-759-916-50	s	IC SN74HC157N
ICF8	8-759-916-50	s	IC SN74HC157N
ICF9	8-759-103-88	s	IC uPD82C43CY
ICF10	8-759-916-50	s	IC SN74HC157N
ICF11	8-759-916-50	s	IC SN74HC157N
ICF12	8-759-004-80	s	IC MC74HCT374N
ICF13	8-759-916-50	s	IC SN74HC157N
ICF14	8-759-902-40	s	IC SN74LS240N
ICF15	8-759-902-40	s	IC SN74LS240N
ICF16	8-759-795-05	s	IC PAL16R6B-AN01221
ICF17	8-759-796-67	s	IC GAL16V8-AN01421
ICF18	8-759-202-74	s	IC TC74HC04P
ICF20	8-759-795-10	s	IC PAL16R8B-AN01271
ICF21	8-759-795-11	s	IC PAL16R8B-AN01291
ICF22	8-759-793-93	s	IC PAL16R4B-AN01301
ICF23	8-759-904-80	s	IC 74F04PC
ICF25	8-759-202-32	s	IC TC74HC163P
ICF26	8-759-202-32	s	IC TC74HC163P
ICG1	8-759-103-88	s	IC uPD82C43CY

(AN-01 BOARD, DVPC-1000)

#10701 & UP (J)
#21001 & UP (UC)
#11001 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICG2	8-759-103-88	s	IC uPD82C43CY
ICG3	8-759-202-92	s	IC TC74HC151P
ICG4	8-759-202-92	s	IC TC74HC151P
ICG5	8-759-103-88	s	IC uPD82C43CY
ICG6	8-759-921-34	s	IC SN74HC245N
ICG7	8-759-202-98	s	IC TC74HC166P
ICG8	8-759-795-07	s	IC PAL16R8B-AN01241
ICG9	8-759-918-33	s	IC CX20160
ICG10	8-759-796-68	s	IC GAL16V8-AN01411
ICG11	8-759-913-63	s	IC SN74ALS374N
ICG12	8-759-001-39	s	IC MC74HC164N
ICG13	8-759-918-33	s	IC CX20160
ICG14	8-759-918-33	s	IC CX20160
ICG15	8-759-233-05	s	IC TC74HC283AP
ICG16	8-759-233-05	s	IC TC74HC283AP
ICG17	8-759-903-97	s	IC SN74LS684N
ICG18	8-759-001-63	s	IC MC74HC595N
ICG20	8-759-202-74	s	IC TC74HC04P
ICG21	8-759-202-11	s	IC TC74HC00P
ICG22	8-759-904-81	s	IC 74F08PC
ICG23	8-759-904-80	s	IC 74F04PC
ICG24	8-759-904-80	s	IC 74F04PC
ICG25	8-759-916-29	s	IC SN74HC74N
ICG26	8-759-926-32	s	IC AM26LS32PC
ICH1	8-759-202-26	s	IC TC74HC138P
ICH2	8-759-112-25	s	IC uPD4361C-45
ICH3	8-759-202-74	s	IC TC74HC04P
ICH4	8-759-112-25	s	IC uPD4361C-45
ICH5	8-759-902-94	s	IC SN74LS590N
ICH6	8-759-904-83	s	IC 74F32PC
ICH7	8-759-001-63	s	IC MC74HC595N
ICH9	8-759-903-84	s	IC SN74LS384N
ICH10	8-759-903-84	s	IC SN74LS384N
ICH11	8-759-001-39	s	IC MC74HC164N
ICH12	8-759-918-33	s	IC CX20160
ICH13	8-759-918-33	s	IC CX20160
ICH14	8-759-918-33	s	IC CX20160
ICH15	8-759-233-05	s	IC TC74HC283AP
ICH16	8-759-233-05	s	IC TC74HC283AP
ICH17	8-759-903-97	s	IC SN74LS684N
ICH18	8-759-903-85	s	IC SN74LS385N
ICH20	8-759-001-63	s	IC MC74HC595N
ICH22	8-759-903-77	s	IC SN74LS377N
ICH23	8-759-795-03	s	IC PAL16R6B-AN01201
ICH24	8-759-004-80	s	IC MC74HCT374N
ICH25	8-759-913-63	s	IC SN74ALS374N
ICH26	8-759-913-63	s	IC SN74ALS374N
ICH27	8-759-202-74	s	IC TC74HC04P
ICJ1	8-759-103-88	s	IC uPD82C43CY
ICJ2	8-752-304-30	s	IC CX23043
ICJ4	8-752-304-30	s	IC CX23043
ICJ5	8-759-202-55	s	IC TC74HC244P
ICJ6	8-759-795-12	s	IC PAL16L8B-AN01311
ICJ7	8-752-322-10	s	IC CXK5814P-45L
ICJ9	8-759-903-84	s	IC SN74LS384N
ICJ10	8-759-903-84	s	IC SN74LS384N
ICJ11	8-759-903-85	s	IC SN74LS385N
ICJ12	8-759-795-09	s	IC PAL16R6B-AN01261
ICJ14	8-759-918-33	s	IC CX20160
ICJ15	8-759-918-33	s	IC CX20160
ICJ16	8-759-795-19	s	IC PAL16R8B-AN01401
ICJ17	8-759-112-37	s	IC uPD41101C-3
ICJ18	8-759-112-37	s	IC uPD41101C-3
ICJ20	8-759-112-37	s	IC uPD41101C-3
ICJ21	8-759-112-37	s	IC uPD41101C-3
ICJ22	8-759-112-37	s	IC uPD41101C-3

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(AN-01 BOARD, DVPC-1000)

#10701 & UP (J)
#21001 & UP (UC)
#11001 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICJ23	8-759-918-33	s	IC CX20160
ICJ24	8-759-202-93	s	IC TC74HC153P
JP1	1-566-385-11	s	PIN, SHORT
JP2	1-566-385-11	s	PIN, SHORT
JP4	1-566-385-11	s	PIN, SHORT
JS1	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS2	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS3	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS4	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS5	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS6	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS7	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS8	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS9	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS10	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
L1	1-421-370-00	s	COIL, CHOKE
L2	1-421-370-00	s	COIL, CHOKE
L3	1-421-370-00	s	COIL, CHOKE
L4	1-421-370-00	s	COIL, CHOKE
RB1	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB2	1-231-398-00	s	RESISTOR BLOCK, 270X8
RB3	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB4	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB5	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB6	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB7	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB8	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB9	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB10	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB11	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB12	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB13	1-231-410-00	s	RESISTOR BLOCK, 10KX8
S1	1-570-623-11	s	SWITCH, DIP 4CKT
S2	1-553-925-00	s	SWITCH, ROTARY
S3	1-553-925-00	s	SWITCH, ROTARY
S4	1-553-925-00	s	SWITCH, ROTARY
S5	1-553-925-00	s	SWITCH, ROTARY
S6	1-554-027-00	s	SWITCH, ROTARY
S7	1-554-027-00	s	SWITCH, ROTARY
S8	1-553-925-00	s	SWITCH, ROTARY
S9	1-553-925-00	s	SWITCH, ROTARY
X1	1-527-828-00	s	CRYSTAL 12.000MHz

AP-14 BOARD, DVPC-1000

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6019-011-A	o	COMPLETE PCB, AP-14

(This assembly includes the following parts.)

Ref. No. or Qty	Part No.	SP	Description
1pc	3-715-724-01	o	LABEL (2), SERIAL NUMBER
2pcs	3-673-249-00	o	LEVER, PC BOARD
2pcs	7-621-775-10	s	SCREW, +B 2.6X4
2pcs	7-626-320-11	o	PIN, SPRING 3X8
2pcs	7-628-254-20	s	SCREW, +PSW 2.6X8
6pcs	7-628-253-40	s	SCREW, +PSW, 2X10
21pcs	7-628-254-10	s	SCREW, +PSW, 2.6X6
CN1	1-566-385-11	s	PIN, CONNECTOR 2P
CN101M	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103M	1-506-746-11	s	RECEP, DIN 48P, MALE
D1	8-719-400-35	s	DIODE LN35BP
D2	8-719-400-35	s	DIODE LN35BP
D3	8-719-400-35	s	DIODE LN35BP
D4	8-719-400-35	s	DIODE LN35BP
F1	⚠ 1-576-031-11	s	FUSE, MICRO 10A
F2	⚠ 1-576-031-11	s	FUSE, MICRO 10A
ICA1	8-759-103-88	s	IC uPD82C43CY
ICA2	8-759-203-36	s	IC TC74HC374P
ICA3	8-759-203-36	s	IC TC74HC374P
ICA4	8-759-203-36	s	IC TC74HC374P
ICA5	8-759-203-36	s	IC TC74HC374P
ICA6	8-759-202-98	s	IC TC74HC166P
ICA7	8-759-202-98	s	IC TC74HC166P
ICA8	8-759-202-98	s	IC TC74HC166P
ICA9	8-759-202-98	s	IC TC74HC166P
ICA10	8-759-202-98	s	IC TC74HC166P
ICA11	8-759-202-98	s	IC TC74HC166P
ICA12	8-759-202-98	s	IC TC74HC166P
ICA13	8-759-202-98	s	IC TC74HC166P
ICA14	8-759-202-93	s	IC TC74HC153P
ICA15	8-759-912-48	s	IC SN74ALS874NT
ICA16	8-759-202-15	s	IC TC74HC10P
ICA17	8-759-202-99	s	IC TC74HC173P
ICA18	8-759-202-26	s	IC TC74HC138P
ICA19	8-752-304-30	s	IC CX23043
ICA20	8-752-304-30	s	IC CX23043
ICA21	8-752-304-30	s	IC CX23043
ICA22	8-752-304-30	s	IC CX23043
ICA23	8-752-304-30	s	IC CX23043
ICA24	8-752-304-30	s	IC CX23043
ICA25	8-752-304-30	s	IC CX23043
ICA26	8-752-304-30	s	IC CX23043
ICA27	8-759-916-29	s	IC SN74HC74N
ICA28	8-759-202-26	s	IC TC74HC138P
ICA29	8-759-202-26	s	IC TC74HC138P
ICA31	8-759-777-51	s	IC MBL8742H-AP141010
ICB1	8-759-202-55	s	IC TC74HC244P
ICB2	8-759-203-36	s	IC TC74HC374P
ICB3	8-759-203-36	s	IC TC74HC374P
ICB4	8-759-203-36	s	IC TC74HC374P
ICB5	8-759-004-80	s	IC MC74HCT374N
ICB6	8-759-202-98	s	IC TC74HC166P
ICB7	8-759-202-98	s	IC TC74HC166P
ICB8	8-759-202-98	s	IC TC74HC166P
ICB9	8-759-202-98	s	IC TC74HC166P
ICB10	8-759-202-98	s	IC TC74HC166P
ICB11	8-759-202-98	s	IC TC74HC166P
ICB12	8-759-202-98	s	IC TC74HC166P
ICB13	8-759-202-98	s	IC TC74HC166P
ICB14	8-759-203-36	s	IC TC74HC374P
ICB15	8-759-795-27	s	IC PAL16L8B-AP14201
ICB16	8-759-774-32	s	IC MB7232RA-AP14011
ICB17	8-759-202-99	s	IC TC74HC173P
ICB18	8-759-202-99	s	IC TC74HC173P
ICB19	8-759-202-84	s	IC TC74HC109P
ICB20	8-759-202-84	s	IC TC74HC109P
ICB21	8-759-202-74	s	IC TC74HC04P
ICB22	8-759-803-70	s	IC LC74HC08
ICB23	8-759-202-84	s	IC TC74HC109P

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(AP-14 BOARD, DVPC-1000)

Ref. No. or Qty	Part No.	SP	Description
ICB24	8-759-202-84	s	IC TC74HC109P
ICB25	8-759-202-74	s	IC TC74HC04P
ICB26	8-759-803-70	s	IC LC74HC08
ICB27	8-759-936-69	s	IC SN74ALS534N
ICB28	8-759-103-88	s	IC uPD82C43CY
ICB29	8-759-203-43	s	IC TC74HC534P
ICB30	8-759-004-80	s	IC MC74HCT374N
ICC1	8-759-202-55	s	IC TC74HC244P
ICC2	8-759-203-36	s	IC TC74HC374P
ICC3	8-759-203-36	s	IC TC74HC374P
ICC4	8-759-203-36	s	IC TC74HC374P
ICC5	8-759-004-80	s	IC MC74HCT374N
ICC6	8-759-202-98	s	IC TC74HC166P
ICC7	8-759-202-98	s	IC TC74HC166P
ICC8	8-759-202-98	s	IC TC74HC166P
ICC9	8-759-202-98	s	IC TC74HC166P
ICC10	8-759-202-98	s	IC TC74HC166P
ICC11	8-759-202-98	s	IC TC74HC166P
ICC12	8-759-202-98	s	IC TC74HC166P
ICC13	8-759-202-98	s	IC TC74HC166P
ICC14	8-759-202-92	s	IC TC74HC151P
ICC17	8-759-202-92	s	IC TC74HC151P
ICC18	8-759-202-92	s	IC TC74HC151P
ICC19	8-759-203-36	s	IC TC74HC374P
ICC20	8-759-795-23	s	IC PAL16R6B-AP14211
ICC21	8-759-004-80	s	IC MC74HCT374N
ICC22	8-759-004-80	s	IC MC74HCT374N
ICC23	8-759-795-26	s	IC PAL16L8B-AP14221
ICC24	8-759-112-31	s	IC uPD4311C-35
ICC25	8-759-912-48	s	IC SN74ALS874NT
ICC26	8-759-203-36	s	IC TC74HC374P
ICC27	8-759-203-36	s	IC TC74HC374P
ICC28	8-759-203-36	s	IC TC74HC374P
ICC29	8-759-203-36	s	IC TC74HC374P
ICC30	8-759-916-65	s	IC SN74HC240N
ICC31	8-759-203-54	s	IC TC74HC640P
ICD2	8-759-203-36	s	IC TC74HC374P
ICD3	8-759-203-36	s	IC TC74HC374P
ICD7	8-759-774-54	s	IC MB7118H-AP14021
ICD8	8-759-918-33	s	IC CX20160
ICD9	8-759-918-33	s	IC CX20160
ICD10	8-759-112-37	s	IC uPD41101C-3
ICD11	8-759-202-74	s	IC TC74HC04P
ICD12	8-759-203-36	s	IC TC74HC374P
ICD13	8-759-202-92	s	IC TC74HC151P
ICD14	8-752-304-30	s	IC CX23043
ICD15	8-759-786-29	s	IC MBM27C256A-AP14111
ICD16	8-752-304-30	s	IC CX23043
ICD18	8-759-786-29	s	IC MBM27C256A-AP14111
ICD19	8-752-304-30	s	IC CX23043
ICD20	8-752-304-30	s	IC CX23043
ICD21	8-759-795-23	s	IC PAL16R8B-AP14231
ICD22	8-752-304-30	s	IC CX23043
ICD23	8-752-304-30	s	IC CX23043
ICD24	8-752-304-30	s	IC CX23043
ICD25	8-752-304-30	s	IC CX23043
ICD26	8-752-304-30	s	IC CX23043
ICD27	8-752-304-30	s	IC CX23043
ICD28	8-752-304-30	s	IC CX23043
ICD29	8-752-304-30	s	IC CX23043
ICD30	8-759-203-61	s	IC TC74HC688P
ICD31	8-759-916-65	s	IC SN74HC240N
ICE1	8-759-203-36	s	IC TC74HC374P
ICE2	8-759-203-36	s	IC TC74HC374P
ICE3	8-759-203-36	s	IC TC74HC374P
ICE4	8-759-203-36	s	IC TC74HC374P
ICE5	8-759-203-36	s	IC TC74HC374P
ICE6	8-759-203-36	s	IC TC74HC374P
ICE7	8-759-203-36	s	IC TC74HC374P
ICE8	8-759-203-36	s	IC TC74HC374P

(AP-14 BOARD, DVPC-1000)

Ref. No. or Qty	Part No.	SP	Description
ICE9	8-759-203-36	s	IC TC74HC374P
ICE10	8-759-203-36	s	IC TC74HC374P
ICE11	8-759-203-36	s	IC TC74HC374P
ICE12	8-759-203-36	s	IC TC74HC374P
ICE13	8-759-203-36	s	IC TC74HC374P
ICE14	8-752-304-30	s	IC CX23043
ICE15	8-759-004-80	s	IC MC74HCT374N
ICE16	8-759-202-32	s	IC TC74HC163P
ICE17	8-759-004-80	s	IC MC74HCT374N
ICE18	8-759-202-32	s	IC TC74HC163P
ICE19	8-759-202-75	s	IC TC74HCT04P
ICE20	8-759-202-74	s	IC TC74HC04P
ICE21	8-759-202-74	s	IC TC74HC04P
ICE22	8-759-202-11	s	IC TC74HC00P
ICE23	8-759-921-08	s	IC SN74HC02N
ICE24	8-759-803-70	s	IC LC74HC08
ICE25	8-759-916-29	s	IC SN74HC74N
ICE26	8-759-202-11	s	IC TC74HC00P
ICE27	8-759-202-74	s	IC TC74HC04P
ICE28	8-759-202-11	s	IC TC74HC00P
ICE29	8-759-936-69	s	IC SN74ALS534N
ICE30	8-759-004-80	s	IC MC74HCT374N
ICE31	8-759-913-63	s	IC SN74ALS374N
ICF1	8-759-918-33	s	IC CX20160
ICF2	8-759-918-33	s	IC CX20160
ICF3	8-759-774-03	s	IC MB7132HSK-AP14031
ICF4	8-759-004-80	s	IC MC74HCT374N
ICF5	8-759-004-80	s	IC MC74HCT374N
ICF6	8-759-004-80	s	IC MC74HCT374N
ICF7	8-759-004-80	s	IC MC74HCT374N
ICF8	8-759-004-80	s	IC MC74HCT374N
ICF9	8-759-004-80	s	IC MC74HCT374N
ICF10	8-759-004-80	s	IC MC74HCT374N
ICF11	8-759-004-80	s	IC MC74HCT374N
ICF12	8-759-202-74	s	IC TC74HC04P
ICF13	8-759-912-48	s	IC SN74ALS874NT
ICF14	8-759-795-25	s	IC PAL16R8B-AP14241
ICF15	8-759-203-61	s	IC TC74HC688P
ICF16	8-759-774-74	s	IC MB7138HSK-AP14041
ICF17	8-759-203-36	s	IC TC74HC374P
ICF18	8-752-304-30	s	IC CX23043
ICF19	8-752-304-30	s	IC CX23043
ICF20	8-759-774-33	s	IC MB7232RA-AP14051
ICF22	8-759-202-74	s	IC TC74HC04P
ICF23	8-752-304-30	s	IC CX23043
ICF25	8-759-786-30	s	IC MBM27C256A-AP14121
ICF26	8-759-203-36	s	IC TC74HC374P
ICF27	8-759-203-01	s	IC TC74HC175P
ICF28	8-759-900-00	s	IC SN74LS00N
ICF29	8-759-900-69	s	IC SN74ALS74AN
ICF30	8-759-900-04	s	IC SN74LS04N
ICF31	8-759-926-32	s	IC AM26LS32PC
ICG1	8-759-912-48	s	IC SN74ALS874NT
ICG3	8-759-912-48	s	IC SN74ALS874NT
ICG4	8-759-912-48	s	IC SN74ALS874NT
ICG5	8-759-912-48	s	IC SN74ALS874NT
ICG6	8-759-912-48	s	IC SN74ALS874NT
ICG7	8-759-202-21	s	IC TC74HC32P
ICG8	8-759-202-21	s	IC TC74HC32P
ICG9	8-759-795-25	s	IC PAL16R8B-AP14251
ICG10	8-759-202-32	s	IC TC74HC163P
ICG11	8-759-202-74	s	IC TC74HC04P
ICG12	8-759-775-02	s	IC MB7122H-AP14061
ICG13	8-759-202-99	s	IC TC74HC173P
ICG14	8-759-001-39	s	IC MC74HC164N
ICG15	8-752-304-30	s	IC CX23043
ICG16	8-759-004-80	s	IC MC74HCT374N
ICG17	8-759-004-80	s	IC MC74HCT374N
ICG18	8-752-322-10	s	IC CXK5814P-45L
ICG19	8-759-202-32	s	IC TC74HC163P

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(AP-14 BOARD, DVPC-1000)

Ref. No. or Qty	Part No.	SP	Description
ICG20	8-759-912-48	s	IC SN74ALS874NT
ICG22	8-759-202-99	s	IC TC74HC173P
ICG23	8-759-916-29	s	IC SN74HC74N
ICG24	8-759-774-34	s	IC MB7232RA-AP14071
ICG25	8-759-004-80	s	IC MC74HCT374N
ICG26	8-759-112-21	s	IC uPD4314C-35
ICG27	8-759-803-70	s	IC LC74HC08
ICG28	8-759-202-74	s	IC TC74HC04P
ICG30	8-759-912-48	s	IC SN74ALS874NT
ICG31	8-759-913-63	s	IC SN74ALS374N
ICH13	8-759-203-62	s	IC TC74HC4002P
ICH14	8-759-203-75	s	IC TC74HC4075P
ICH22	8-759-202-75	s	IC TC74HCT04P
ICH23	8-759-203-36	s	IC TC74HC374P
ICH25	8-759-202-99	s	IC TC74HC173P
ICH27	8-759-202-32	s	IC TC74HC163P
ICH28	8-759-202-32	s	IC TC74HC163P
ICH30	8-759-900-69	s	IC SN74ALS74AN
ICH31	8-759-913-63	s	IC SN74ALS374N
ICJ1	8-752-304-30	s	IC CX23043
ICJ3	8-759-203-61	s	IC TC74HC688P
ICJ4	8-759-202-75	s	IC TC74HCT04P
ICJ5	8-759-202-21	s	IC TC74HC32P
ICJ6	8-759-001-63	s	IC MC74HC595N
ICJ7	8-759-202-26	s	IC TC74HC138P
ICJ8	8-759-775-35	s	IC MBM27C32-AP14131
ICJ10	8-759-776-83	s	IC MBM27C32A-AP14142
ICJ11	8-759-203-36	s	IC TC74HC374P
ICJ12	8-759-004-80	s	IC MC74HCT374N
ICJ13	8-759-921-08	s	IC SN74HC02N
ICJ14	8-759-202-24	s	IC TC74HC86P
ICJ15	8-759-203-61	s	IC TC74HC688P
ICJ16	8-759-774-74	s	IC MB7138HSK-AP14041
ICJ17	8-759-203-36	s	IC TC74HC374P
ICJ18	8-752-304-30	s	IC CX23043
ICJ19	8-752-304-30	s	IC CX23043
ICJ20	8-759-774-35	s	IC MB7232RA-AP14081
ICJ21	8-759-774-11	s	IC MB7226RA-AP14091
ICJ23	8-759-112-31	s	IC uPD4311C-35
ICJ24	8-759-112-21	s	IC uPD4314C-35
ICJ25	8-759-004-63	s	IC MC74HC125N
ICJ26	8-752-304-30	s	IC CX23043
ICJ27	8-752-304-30	s	IC CX23043
ICJ28	8-752-304-30	s	IC CX23043
ICJ29	8-752-304-30	s	IC CX23043
ICJ30	8-759-913-63	s	IC SN74ALS374N
ICK1	8-752-304-30	s	IC CX23043
ICK2	8-752-304-30	s	IC CX23043
ICK3	8-752-304-30	s	IC CX23043
ICK4	8-752-304-30	s	IC CX23043
ICK5	8-752-304-30	s	IC CX23043
ICK6	8-752-304-30	s	IC CX23043
ICK7	8-752-304-30	s	IC CX23043
ICK8	8-752-304-30	s	IC CX23043
ICK9	8-759-004-82	s	IC MC74HCT534N
ICK10	8-759-004-82	s	IC MC74HCT534N
ICK11	8-759-112-31	s	IC uPD4311C-35
ICK12	8-752-326-64	s	IC CXK5464PN-55L
ICK13	8-759-202-99	s	IC TC74HC173P
ICK14	8-759-001-39	s	IC MC74HC164N
ICK15	8-752-304-30	s	IC CX23043
ICK16	8-759-004-80	s	IC MC74HCT374N
ICK17	8-759-004-80	s	IC MC74HCT374N
ICK18	8-752-322-10	s	IC CXK5814P-45L
ICK19	8-759-202-32	s	IC TC74HC163P
ICK20	8-759-912-48	s	IC SN74ALS874NT
ICK23	8-752-304-30	s	IC CX23043
ICK24	8-759-202-21	s	IC TC74HC32P
ICK25	8-759-795-21	s	IC PAL16R4B-AP14261
ICK26	8-759-004-80	s	IC MC74HCT374N

(AP-14 BOARD, DVPC-1000)

Ref. No. or Qty	Part No.	SP	Description
ICK27	8-759-786-31	s	IC MBM27C256A-AP14151
ICK29	8-759-786-32	s	IC MBM27C256A-AP14161
ICK30	8-759-004-80	s	IC MC74HCT374N
L1	1-421-370-00	s	COIL, CHOKE
L2	1-421-370-00	s	COIL, CHOKE
L3	1-421-370-00	s	COIL, CHOKE
L4	1-421-370-00	s	COIL, CHOKE
RB1	1-231-495-00	s	RESISTOR BLOCK, 270X4
RB2	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB3	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB4	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB5	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB6	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB7	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB8	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB9	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB10	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB11	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB12	1-231-549-11	s	RESISTOR BLOCK, 47KX4
RB13	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB14	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB15	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB16	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB17	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB18	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB19	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB20	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB21	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB22	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB23	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB24	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB25	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB26	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB27	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB28	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB29	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB30	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB31	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB32	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB33	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB34	1-231-410-00	s	RESISTOR BLOCK, 10KX8
S1	1-553-925-00	s	SWITCH, ROTARY
S2	1-553-925-00	s	SWITCH, ROTARY
S3	1-553-925-00	s	SWITCH, ROTARY
S4	1-553-925-00	s	SWITCH, ROTARY
X1	1-527-828-00	s	CRYSTAL 12.000MHz

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

AT-45 BOARD, DVPC-1000

#10001 TO 10599 (J)
#10001 TO 10799 (UC)
#10001 TO 10799 (EK)

Ref No. or Qty	Part No.	SP	Description
1pc	A-6013-083-A	o	COMPLETE PCB, AT-45
(This assembly includes the following parts.)			
1pc	3-715-840-01	o	CASE, SHIELD AT
1pc	4-879-127-00	o	SHAFT (A), FITTING, CASE
1pc	7-682-647-09	s	SCREW +PS 3X6
11pcs	7-682-648-09	s	SCREW +PS 3X8
11pcs	7-684-023-04	s	N 3, TYPE 2
11pcs	7-628-254-10	s	SCREW, +PSW 2.6X6
C2	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C4	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C6	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C8	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C9	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C11	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C13	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C16	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C17	1-123-333-00	s	CAP, ELECT 100uF 20% 25V
C101	1-124-657-00	s	CAP, ELECT, NONPOLAR 10uF 20% 50V
C102	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C104	1-124-657-00	s	CAP, ELECT, NONPOLAR 10uF 20% 50V
C105	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C108	1-109-537-00	s	CAP, MICA 120PF 5% 100V
C109	1-123-336-00	s	CAP, ELECT 470uF 20% 25V
C111	1-124-611-00	s	CAP, ELECT, NONPOLAR 1uF 20% 100V
C112	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C115	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C116	1-123-336-00	s	CAP, ELECT 470uF 20% 25V
C118	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C121	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C122	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C125	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C201	1-124-657-00	s	CAP, ELECT, NONPOLAR 10uF 20% 50V
C202	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C204	1-124-657-00	s	CAP, ELECT, NONPOLAR 10uF 20% 50V
C205	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C208	1-109-537-00	s	CAP, MICA 120PF 5% 100V
C209	1-123-336-00	s	CAP, ELECT 470uF 20% 25V
C211	1-124-611-00	s	CAP, ELECT, NONPOLAR 1uF 20% 100V
C212	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C215	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C216	1-123-336-00	s	CAP, ELECT 470uF 20% 25V
C218	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C221	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C222	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C225	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C301	1-124-657-00	s	CAP, ELECT, NONPOLAR 10uF 20% 50V
C302	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C304	1-124-657-00	s	CAP, ELECT, NONPOLAR 10uF 20% 50V
C305	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C308	1-109-537-00	s	CAP, MICA 120PF 5% 100V
C309	1-123-336-00	s	CAP, ELECT 470uF 20% 25V
C311	1-124-611-00	s	CAP, ELECT, NONPOLAR 1uF 20% 100V
C312	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C315	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C316	1-123-336-00	s	CAP, ELECT 470uF 20% 25V
C318	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C321	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C322	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C325	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C401	1-124-657-00	s	CAP, ELECT, NONPOLAR 10uF 20% 50V
C402	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C404	1-124-657-00	s	CAP, ELECT, NONPOLAR 10uF 20% 50V
C405	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C408	1-109-537-00	s	CAP, MICA 120PF 5% 100V
C409	1-123-336-00	s	CAP, ELECT 470uF 20% 25V
C411	1-124-611-00	s	CAP, ELECT, NONPOLAR 1uF 20% 100V
C412	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C415	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C416	1-123-336-00	s	CAP, ELECT 470uF 20% 25V
C418	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C421	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C422	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C425	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C501	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C504	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C505	1-124-187-11	s	CAP, ELECT, NONPOLAR 22uF 20% 50V
C506	1-124-657-00	s	CAP, ELECT, NONPOLAR 10uF 20% 50V
C601	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C604	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C605	1-124-187-11	s	CAP, ELECT, NONPOLAR 22uF 20% 50V
C606	1-124-657-00	s	CAP, ELECT, NONPOLAR 10uF 20% 50V
C701	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C704	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C705	1-124-187-11	s	CAP, ELECT, NONPOLAR 22uF 20% 50V
C706	1-124-657-00	s	CAP, ELECT, NONPOLAR 10uF 20% 50V
CN050M	1-560-177-00	o	RECEP, 4P, MALE
CN301M	1-560-303-00	o	RECEP, IL 6P, MALE
CN302M	1-560-303-00	o	RECEP, IL 6P, MALE
CN303M	1-560-304-00	o	RECEP, IL 8P, MALE
CN304M	1-560-304-00	o	RECEP, IL 8P, MALE
CN305M	1-560-300-00	o	RECEP, IL 3P, MALE
CN306M	1-560-300-00	o	RECEP, IL 3P, MALE
CN307M	1-560-300-00	o	RECEP, IL 3P, MALE
CN308M	1-560-300-00	o	RECEP, IL 3P, MALE
CN309M	1-560-300-00	o	RECEP, IL 3P, MALE
CN310M	1-560-300-00	o	RECEP, IL 3P, MALE
D1	8-719-815-55	s	DIODE 1S1555
D2	8-719-815-55	s	DIODE 1S1555
D3	8-719-815-55	s	DIODE 1S1555
D101	8-719-815-55	s	DIODE 1S1555
D201	8-719-815-55	s	DIODE 1S1555
D301	8-719-815-55	s	DIODE 1S1555
D401	8-719-815-55	s	DIODE 1S1555
D501	8-719-815-55	s	DIODE 1S1555
D601	8-719-815-55	s	DIODE 1S1555
D701	8-719-815-55	s	DIODE 1S1555
IC1	8-759-171-15	s	IC uPC7815H
IC2	8-759-179-15	s	IC uPC7915H
IC3	8-759-171-15	s	IC uPC7815H
IC101	8-759-900-72	s	IC NE5532P
IC102	8-759-900-72	s	IC NE5532P
IC103	8-759-171-15	s	IC uPC7815H
IC104	8-759-179-15	s	IC uPC7915H
IC201	8-759-900-72	s	IC NE5532P
IC202	8-759-900-72	s	IC NE5532P
IC203	8-759-171-15	s	IC uPC7815H
IC204	8-759-179-15	s	IC uPC7915H
IC301	8-759-900-72	s	IC NE5532P
IC302	8-759-900-72	s	IC NE5532P
IC303	8-759-171-15	s	IC uPC7815H
IC304	8-759-179-15	s	IC uPC7915H
IC401	8-759-900-72	s	IC NE5532P
IC402	8-759-900-72	s	IC NE5532P
IC403	8-759-171-15	s	IC uPC7815H
IC404	8-759-179-15	s	IC uPC7915H
IC501	8-759-745-60	s	IC NJM4560D
IC601	8-759-745-60	s	IC NJM4560D
IC701	8-759-745-60	s	IC NJM4560D
JP101	1-560-733-00	s	PIN, SHORT
JP102	1-560-733-00	s	PIN, SHORT
JP201	1-560-733-00	s	PIN, SHORT
JP202	1-560-733-00	s	PIN, SHORT
JP301	1-560-733-00	s	PIN, SHORT
JP302	1-560-733-00	s	PIN, SHORT
JP401	1-560-733-00	s	PIN, SHORT
JP402	1-560-733-00	s	PIN, SHORT
JS102	1-561-832-00	s	SOCKET, SHORT
JS202	1-561-832-00	s	SOCKET, SHORT
JS302	1-561-832-00	s	SOCKET, SHORT
JS402	1-561-832-00	s	SOCKET, SHORT
L1	1-421-370-00	s	COIL, CHOKE
L2	1-421-370-00	s	COIL, CHOKE

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(AT-45 BOARD, DVPC-1000)

#10001 TO 10599 (J)
#10001 TO 10799 (UC)
#10001 TO 10799 (EK)

Ref. No. or Qty	Part No.	SP	Description
Q1	8-729-600-27	s	TRANSISTOR 2SC2603-G
Q2	8-729-307-28	s	TRANSISTOR 2SA872A-E
Q3	8-729-600-27	s	TRANSISTOR 2SC2603-G
Q4	8-729-600-27	s	TRANSISTOR 2SC2603-G
Q101	8-729-307-58	s	TRANSISTOR 2SC1775A
Q102	8-729-307-28	s	TRANSISTOR 2SA872A-E
Q103	8-729-307-28	s	TRANSISTOR 2SA872A-E
Q104	8-729-307-28	s	TRANSISTOR 2SA872A-E
Q105	8-729-307-58	s	TRANSISTOR 2SC1775A
Q106	8-729-307-58	s	TRANSISTOR 2SC1775A
Q107	8-729-316-22	s	TRANSISTOR 2SC1162-C
Q108	8-729-371-52	s	TRANSISTOR 2SA715
Q109	8-729-900-36	s	TRANSISTOR DTC124ES
Q201	8-729-307-58	s	TRANSISTOR 2SC1775A
Q202	8-729-307-28	s	TRANSISTOR 2SA872A-E
Q203	8-729-307-28	s	TRANSISTOR 2SA872A-E
Q204	8-729-307-28	s	TRANSISTOR 2SA872A-E
Q205	8-729-307-58	s	TRANSISTOR 2SC1775A
Q206	8-729-307-58	s	TRANSISTOR 2SC1775A
Q207	8-729-316-22	s	TRANSISTOR 2SC1162-C
Q208	8-729-371-52	s	TRANSISTOR 2SA715
Q209	8-729-900-36	s	TRANSISTOR DTC124ES
Q301	8-729-307-58	s	TRANSISTOR 2SC1775A
Q302	8-729-307-28	s	TRANSISTOR 2SA872A-E
Q303	8-729-307-28	s	TRANSISTOR 2SA872A-E
Q304	8-729-307-28	s	TRANSISTOR 2SA872A-E
Q305	8-729-307-58	s	TRANSISTOR 2SC1775A
Q306	8-729-307-58	s	TRANSISTOR 2SC1775A
Q307	8-729-316-22	s	TRANSISTOR 2SC1162-C
Q308	8-729-371-52	s	TRANSISTOR 2SA715
Q309	8-729-900-36	s	TRANSISTOR DTC124ES
Q401	8-729-307-58	s	TRANSISTOR 2SC1775A
Q402	8-729-307-28	s	TRANSISTOR 2SA872A-E
Q403	8-729-307-28	s	TRANSISTOR 2SA872A-E
Q404	8-729-307-28	s	TRANSISTOR 2SA872A-E
Q405	8-729-307-58	s	TRANSISTOR 2SC1775A
Q406	8-729-307-58	s	TRANSISTOR 2SC1775A
Q407	8-729-316-22	s	TRANSISTOR 2SC1162-C
Q408	8-729-371-52	s	TRANSISTOR 2SA715
Q409	8-729-900-36	s	TRANSISTOR DTC124ES
Q501	8-729-900-36	s	TRANSISTOR DTC124ES
Q601	8-729-900-36	s	TRANSISTOR DTC124ES
Q701	8-729-900-36	s	TRANSISTOR DTC124ES
R1	1-247-727-11	s	RES, CARBON 10 5% 1/2W
R115	1-214-661-21	s	RES, METAL 1.5 1% 1/4W
R116	1-214-661-21	s	RES, METAL 1.5 1% 1/4W
R121	1-247-737-11	s	RES, CARBON 68 5% 1/2W
R215	1-214-661-21	s	RES, METAL 1.5 1% 1/4W
R216	1-214-661-21	s	RES, METAL 1.5 1% 1/4W
R221	1-247-737-11	s	RES, CARBON 68 5% 1/2W
R315	1-214-661-21	s	RES, METAL 1.5 1% 1/4W
R316	1-214-661-21	s	RES, METAL 1.5 1% 1/4W
R321	1-247-737-11	s	RES, CARBON 68 5% 1/2W
R415	1-214-661-21	s	RES, METAL 1.5 1% 1/4W
R416	1-214-661-21	s	RES, METAL 1.5 1% 1/4W
R421	1-247-737-11	s	RES, CARBON 68 5% 1/2W
R510	1-247-737-11	s	RES, CARBON 68 5% 1/2W
R610	1-247-737-11	s	RES, CARBON 68 5% 1/2W
R710	1-247-737-11	s	RES, CARBON 68 5% 1/2W
RV101	1-230-748-11	s	RES, VAR, CERMET 2K
RV201	1-230-748-11	s	RES, VAR, CERMET 2K
RV301	1-230-748-11	s	RES, VAR, CERMET 2K
RV401	1-230-748-11	s	RES, VAR, CERMET 2K
RV501	1-224-940-00	s	RES, VAR, METAL 10K
RV601	1-224-940-00	s	RES, VAR, METAL 10K
RV701	1-224-940-00	s	RES, VAR, METAL 10K
RY101	1-515-547-11	s	RELAY
RY201	1-515-547-11	s	RELAY
RY301	1-515-547-11	s	RELAY
RY401	1-515-547-11	s	RELAY

(AT-45 BOARD, DVPC-1000)

#10001 TO 10599 (J)
#10001 TO 10799 (UC)
#10001 TO 10799 (EK)

Ref. No. or Qty	Part No.	SP	Description
RY501	1-515-547-11	s	RELAY
RY601	1-515-547-11	s	RELAY
RY701	1-515-547-11	s	RELAY
T101	1-427-570-11	s	TRANSFORMER, AUDIO OUTPUT
T201	1-427-570-11	s	TRANSFORMER, AUDIO OUTPUT
T301	1-427-570-11	s	TRANSFORMER, AUDIO OUTPUT
T401	1-427-570-11	s	TRANSFORMER, AUDIO OUTPUT
T501	1-427-456-00	s	TRANSFORMER, INPUT/OUTPUT
T601	1-427-456-00	s	TRANSFORMER, INPUT/OUTPUT
T701	1-427-456-00	s	TRANSFORMER, INPUT/OUTPUT

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

AT-45 BOARD, DVPC-1000

#10601 & UP (J)
#10801 & UP (UC)
#10801 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6013-083-A	o	COMPLETE PCB, AT-45
(This assembly inclues the following parts.)			
1pc	3-715-840-01	o	CASE, SHILD AT-45
5pcs	4-352-844-01	s	PIN, LEAD, COATING
1pc	4-879-127-00	o	SHAFT (A), FITTING, CASE
6pc	7-628-253-20	s	SCREW +PS 2X6
16pcs	7-628-254-10	s	+PSW, 2.6X6
1pc	7-682-647-09	s	SCREW +PS 3X6
11pcs	7-682-648-09	s	SCREW +PS 3X8
11pcs	7-684-023-04	s	N 3, TYPE 2
C2	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C4	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C6	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C8	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C9	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C11	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C13	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C16	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C17	1-123-333-00	s	CAP, ELECT 100uF 20% 25V
C101	1-124-657-00	s	CAP, ELECT, NONPOLAR 10uF 20%
C102	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C104	1-124-657-00	s	CAP, ELECT, NONPOLAR 10uF 20%
C105	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C108	1-109-537-00	s	CAP, MICA 120PF 5% 100V
C109	1-123-336-00	s	CAP, ELECT 470uF 20% 25V
C111	1-124-611-00	s	CAP, ELECT, NONPOLAR 1uF 20%
C112	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C115	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C116	1-123-336-00	s	CAP, ELECT 470uF 20% 25V
C118	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C121	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C122	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C125	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C201	1-124-657-00	s	CAP, ELECT, NONPOLAR 10uF 20%
C202	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C204	1-124-657-00	s	CAP, ELECT, NONPOLAR 10uF 20%
C205	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C208	1-109-537-00	s	CAP, MICA 120PF 5% 100V
C209	1-123-336-00	s	CAP, ELECT 470uF 20% 25V
C211	1-124-611-00	s	CAP, ELECT, NONPOLAR 1uF 20%
C212	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C215	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C216	1-123-336-00	s	CAP, ELECT 470uF 20% 25V
C218	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C221	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C222	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C225	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C301	1-124-657-00	s	CAP, ELECT, NONPOLAR 10uF 20%
C302	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C304	1-124-657-00	s	CAP, ELECT, NONPOLAR 10uF 20%
C305	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C308	1-109-537-00	s	CAP, MICA 120PF 5% 100V
C309	1-123-336-00	s	CAP, ELECT 470uF 20% 25V
C311	1-124-611-00	s	CAP, ELECT, NONPOLAR 1uF 20%
C312	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C315	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C316	1-123-336-00	s	CAP, ELECT 470uF 20% 25V

(AT-45 BOARD, DVPC-1000)

#10601 & UP (J)
#10801 & UP (UC)
#10801 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
C318	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C321	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C322	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C325	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C401	1-124-657-00	s	CAP, ELECT, NONPOLAR 10uF 20%
C402	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C404	1-124-657-00	s	CAP, ELECT, NONPOLAR 10uF 20%
C405	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C408	1-109-537-00	s	CAP, MICA 120PF 5% 100V
C409	1-123-336-00	s	CAP, ELECT 470uF 20% 25V
C411	1-124-611-00	s	CAP, ELECT, NONPOLAR 1uF 20%
C412	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C415	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C416	1-123-336-00	s	CAP, ELECT 470uF 20% 25V
C418	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C421	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C422	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C425	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C501	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C504	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C505	1-124-187-11	s	CAP, ELECT, NONPOLAR 22uF 20%
C506	1-124-657-00	s	CAP, ELECT, NONPOLAR 10uF 20%
C601	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C604	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C605	1-124-187-11	s	CAP, ELECT, NONPOLAR 22uF 20%
C606	1-124-657-00	s	CAP, ELECT, NONPOLAR 10uF 20%
C701	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C704	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C705	1-124-187-11	s	CAP, ELECT, NONPOLAR 22uF 20%
C706	1-124-657-00	s	CAP, ELECT, NONPOLAR 10uF 20%
CN050	1-560-177-00	o	RECEP, 4P, MALE
CN301	1-560-303-00	o	RECEP, IL 6P, MALE
CN302	1-560-303-00	o	RECEP, IL 6P, MALE
CN303	1-560-304-00	o	RECEP, IL 8P, MALE
CN304	1-560-304-00	o	RECEP, IL 8P, MALE
CN305	1-560-300-00	o	RECEP, IL 3P, MALE
CN306	1-560-300-00	o	RECEP, IL 3P, MALE
CN307	1-560-300-00	o	RECEP, IL 3P, MALE
CN308	1-560-300-00	o	RECEP, IL 3P, MALE
CN309	1-560-300-00	o	RECEP, IL 3P, MALE
CN310	1-560-300-00	o	RECEP, IL 3P, MALE
D1	8-719-815-55	s	DIODE 1S1555
D2	8-719-815-55	s	DIODE 1S1555
D3	8-719-815-55	s	DIODE 1S1555
D101	8-719-815-55	s	DIODE 1S1555
D201	8-719-815-55	s	DIODE 1S1555
D301	8-719-815-55	s	DIODE 1S1555
D401	8-719-815-55	s	DIODE 1S1555
D501	8-719-815-55	s	DIODE 1S1555
D601	8-719-815-55	s	DIODE 1S1555
D701	8-719-815-55	s	DIODE 1S1555
IC1	8-759-171-15	s	IC UPC7815H
IC2	8-759-179-15	s	IC UPC7915H
IC3	8-759-171-15	s	IC UPC7815H
IC101	8-759-900-72	s	IC NE5532P
IC102	8-759-900-72	s	IC NE5532P
IC103	8-759-171-15	s	IC UPC7815H
IC104	8-759-179-15	s	IC UPC7915H
IC201	8-759-900-72	s	IC NE5532P
IC202	8-759-900-72	s	IC NE5532P
IC203	8-759-171-15	s	IC UPC7815H
IC204	8-759-179-15	s	IC UPC7915H
IC301	8-759-900-72	s	IC NE5532P
IC302	8-759-900-72	s	IC NE5532P
IC303	8-759-171-15	s	IC UPC7815H
IC304	8-759-179-15	s	IC UPC7915H
IC401	8-759-900-72	s	IC NE5532P
IC402	8-759-900-72	s	IC NE5532P
IC403	8-759-171-15	s	IC UPC7815H
IC404	8-759-179-15	s	IC UPC7915H

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(AT-45 BOARD, DVPC-1000)

#10601 & UP (J)
#10801 & UP (UC)
#10801 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
IC501	8-759-745-60	s	IC NJM4560D
IC601	8-759-745-60	s	IC NJM4560D
IC701	8-759-745-60	s	IC NJM4560D
JP101	1-566-385-11	s	PIN, CONNECTOR 2P
JP102	1-566-385-11	s	PIN, CONNECTOR 2P
JP201	1-566-385-11	s	PIN, CONNECTOR 2P
JP202	1-566-385-11	s	PIN, CONNECTOR 2P
JP301	1-566-385-11	s	PIN, CONNECTOR 2P
JP302	1-566-385-11	s	PIN, CONNECTOR 2P
JP401	1-566-385-11	s	PIN, CONNECTOR 2P
JP402	1-566-385-11	s	PIN, CONNECTOR 2P
JS102	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS202	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS302	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS402	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
L1	1-421-370-00	s	COIL, CHOKE
L2	1-421-370-00	s	COIL, CHOKE
Q1	8-729-245-83	s	TRANSISTER 2SC2458-O
Q2	8-729-387-28	s	TRANSISTOR 2SA872-E
Q3	8-729-245-83	s	TRANSISTER 2SC2458-O
Q4	8-729-245-83	s	TRANSISTER 2SC2458-O
Q101	8-729-307-58	s	TRANSISTER 2SC1775A
Q102	8-729-387-28	s	TRANSISTOR 2SA872-E
Q103	8-729-387-28	s	TRANSISTOR 2SA872-E
Q104	8-729-387-28	s	TRANSISTOR 2SA872-E
Q105	8-729-307-58	s	TRANSISTER 2SC1775A
Q106	8-729-307-58	s	TRANSISTER 2SC1775A
Q107	8-729-316-22	s	TRANSISTOR 2SC1162-C
Q108	8-729-371-53	s	TRANSISTOR 2SA715
Q109	8-729-900-36	s	TRANSISTOR DTC124ES
Q201	8-729-307-58	s	TRANSISTER 2SC1775A
Q202	8-729-387-28	s	TRANSISTOR 2SA872-E
Q203	8-729-387-28	s	TRANSISTOR 2SA872-E
Q204	8-729-387-28	s	TRANSISTOR 2SA872-E
Q205	8-729-307-58	s	TRANSISTER 2SC1775A
Q206	8-729-307-58	s	TRANSISTER 2SC1775A
Q207	8-729-316-22	s	TRANSISTOR 2SC1162-C
Q208	8-729-371-53	s	TRANSISTOR 2SA715
Q209	8-729-900-36	s	TRANSISTOR DTC124ES
Q301	8-729-307-58	s	TRANSISTER 2SC1775A
Q302	8-729-387-28	s	TRANSISTOR 2SA872-E
Q303	8-729-387-28	s	TRANSISTOR 2SA872-E
Q304	8-729-387-28	s	TRANSISTOR 2SA872-E
Q305	8-729-307-58	s	TRANSISTER 2SC1775A
Q306	8-729-307-58	s	TRANSISTER 2SC1775A
Q307	8-729-316-22	s	TRANSISTOR 2SC1162-C
Q308	8-729-371-53	s	TRANSISTOR 2SA715
Q309	8-729-900-36	s	TRANSISTOR DTC124ES
Q401	8-729-307-58	s	TRANSISTER 2SC1775A
Q402	8-729-387-28	s	TRANSISTOR 2SA872-E
Q403	8-729-387-28	s	TRANSISTOR 2SA872-E
Q404	8-729-387-28	s	TRANSISTOR 2SA872-E
Q405	8-729-307-58	s	TRANSISTER 2SC1775A
Q406	8-729-307-58	s	TRANSISTER 2SC1775A
Q407	8-729-316-22	s	TRANSISTOR 2SC1162-C
Q408	8-729-371-53	s	TRANSISTOR 2SA715
Q409	8-729-900-36	s	TRANSISTOR DTC124ES
Q501	8-729-900-36	s	TRANSISTOR DTC124ES
Q601	8-729-900-36	s	TRANSISTOR DTC124ES
Q701	8-729-900-36	s	TRANSISTOR DTC124ES
R1	1-249-478-11	s	RES, CARBON 2.2 5% 1/2W
R115	1-214-661-21	s	RES, METAL 1.5 1% 1/4W
R116	1-214-661-21	s	RES, METAL 1.5 1% 1/4W
R121	1-247-737-11	s	RES, CARBON 68 5% 1/2W
R215	1-214-661-21	s	RES, METAL 1.5 1% 1/4W
R216	1-214-661-21	s	RES, METAL 1.5 1% 1/4W
R221	1-247-737-11	s	RES, CARBON 68 5% 1/2W
R315	1-214-661-21	s	RES, METAL 1.5 1% 1/4W
R316	1-214-661-21	s	RES, METAL 1.5 1% 1/4W
R321	1-247-737-11	s	RES, CARBON 68 5% 1/2W

(AT-45 BOARD, DVPC-1000)

#10601 & UP (J)
#10801 & UP (UC)
#10801 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
R415	1-214-661-21	s	RES, METAL 1.5 1% 1/4W
R416	1-214-661-21	s	RES, METAL 1.5 1% 1/4W
R421	1-247-737-11	s	RES, CARBON 68 5% 1/2W
R510	1-247-737-11	s	RES, CARBON 68 5% 1/2W
R610	1-247-737-11	s	RES, CARBON 68 5% 1/2W
R710	1-247-737-11	s	RES, CARBON 68 5% 1/2W
RV101	1-230-748-11	s	RES, VAR, CERMET 2K
RV201	1-230-748-11	s	RES, VAR, CERMET 2K
RV301	1-230-748-11	s	RES, VAR, CERMET 2K
RV401	1-230-748-11	s	RES, VAR, CERMET 2K
RV501	1-224-940-00	s	RES, VAR, METAL 10K
RV601	1-224-940-00	s	RES, VAR, METAL 10K
RV701	1-224-940-00	s	RES, VAR, METAL 10K
RY101	1-515-683-11	s	RELAY
RY201	1-515-683-11	s	RELAY
RY301	1-515-683-11	s	RELAY
RY401	1-515-683-11	s	RELAY
RY501	1-515-683-11	s	RELAY
RY601	1-515-683-11	s	RELAY
RY701	1-515-683-11	s	RELAY
T101	1-427-570-11	s	TRANSFORMER, AUDIO OUTPUT
T201	1-427-570-11	s	TRANSFORMER, AUDIO OUTPUT
T301	1-427-570-11	s	TRANSFORMER, AUDIO OUTPUT
T401	1-427-570-11	s	TRANSFORMER, AUDIO OUTPUT
T501	1-427-456-00	s	TRANSFORMER, INPUT/OUTPUT
T601	1-427-456-00	s	TRANSFORMER, INPUT/OUTPUT
T701	1-427-456-00	s	TRANSFORMER, INPUT/OUTPUT

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

AU-86 BOARD, DVPC-1000

#10001 TO 10599 (J)
#10001 TO 10899 (UC)
#10001 TO 10899 (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6019-005-A	o	COMPLETE PCB, AU-86
(This assembly includes the following parts.)			
1pc	3-715-721-41	o	LABEL (2), SERIAL NUMBER
2pcs	3-673-249-00	o	LEVER, PC BOARD
2pcs	7-621-775-10	s	SCREW +B 2.6X4
2pcs	7-626-320-11	o	PIN, SPRING 3X8
2pcs	7-628-254-20	s	SCREW, +PSW 2.6X8
6pcs	7-628-253-40	s	SCREW, +PS 2X10
21pcs	7-628-254-10	s	SCREW, +PSW 2.6X6
C3	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C5	1-130-479-00	s	CAP, MYLAR 0.0047uF 5% 50V
C6	1-109-557-00	s	CAP, MICA 680PF 5% 100V
C9	1-130-479-00	s	CAP, MYLAR 0.0047uF 5% 50V
C10	1-109-557-00	s	CAP, MICA 680PF 5% 100V
C13	1-130-479-00	s	CAP, MYLAR 0.0047uF 5% 50V
C14	1-109-557-00	s	CAP, MICA 680PF 5% 100V
C17	1-130-479-00	s	CAP, MYLAR 0.0047uF 5% 50V
C18	1-109-557-00	s	CAP, MICA 680PF 5% 100V
C23	1-130-493-00	s	CAP, MYLAR 0.068uF 5% 50V
C25	1-130-493-00	s	CAP, MYLAR 0.068uF 5% 50V
C27	1-130-493-00	s	CAP, MYLAR 0.068uF 5% 50V
C29	1-130-493-00	s	CAP, MYLAR 0.068uF 5% 50V
C106	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C107	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C108	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C113	1-161-467-00	s	CAP, CERAMIC 470PF 5% 50V
C114	1-161-467-00	s	CAP, CERAMIC 470PF 5% 50V
C115	1-161-467-00	s	CAP, CERAMIC 470PF 5% 50V
C116	1-161-467-00	s	CAP, CERAMIC 470PF 5% 50V
C119	1-161-467-00	s	CAP, CERAMIC 470PF 5% 50V
C120	1-161-467-00	s	CAP, CERAMIC 470PF 5% 50V
C121	1-161-467-00	s	CAP, CERAMIC 470PF 5% 50V
C122	1-161-467-00	s	CAP, CERAMIC 470PF 5% 50V
CN1	1-560-733-00	s	PIN, SHORT
CN101M	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103M	1-506-746-11	s	RECEP, DIN 48P, MALE
D9	8-719-400-35	s	DIODE LN35BP
D10	8-719-400-35	s	DIODE LN35BP
D11	8-719-400-35	s	DIODE LN35BP
D12	8-719-400-35	s	DIODE LN35BP
F1	⚠ 1-532-926-12	s	FUSE, MICRO 10A
IC1	8-759-901-23	s	IC SN74LS123N
IC2	8-759-903-93	s	IC SN74LS393N
IC3	8-759-901-23	s	IC SN74LS123N
IC4	8-759-903-93	s	IC SN74LS393N
IC5	8-759-901-23	s	IC SN74LS123N
IC6	8-759-903-93	s	IC SN74LS393N
IC7	8-759-901-23	s	IC SN74LS123N
IC8	8-759-903-93	s	IC SN74LS393N
IC9	8-759-202-74	s	IC TC74HC04P
IC10	8-759-912-48	s	IC SN74ALS874NT
IC11	8-759-202-75	s	IC TC74HCT04P
ICA1	8-759-906-24	s	IC SN74LS624N
ICA2	8-759-040-44	s	IC MC4044P
ICA3	8-759-915-26	s	IC CX23053
ICA4	8-759-906-24	s	IC SN74LS624N
ICA5	8-759-040-44	s	IC MC4044P
ICA6	8-759-915-26	s	IC CX23053
ICA7	8-759-906-24	s	IC SN74LS624N
ICA8	8-759-040-44	s	IC MC4044P
ICA9	8-759-915-26	s	IC CX23053
ICA10	8-759-906-24	s	IC SN74LS624N
ICA11	8-759-040-44	s	IC MC4044P
ICA12	8-759-915-26	s	IC CX23053
ICA13	8-759-912-48	s	IC SN74ALS874NT
ICA14	8-752-304-30	s	IC CX23043
ICA15	8-752-304-30	s	IC CX23043
ICA16	8-759-901-38	s	IC SN74LS138N
ICA17	8-759-901-66	s	IC SN74LS166AN
ICA18	8-759-901-66	s	IC SN74LS166AN
ICA19	8-759-202-12	s	IC TC74HC02P
ICA20	8-759-202-89	s	IC TC74HC139P
ICA21	8-759-202-14	s	IC TC74HC08P

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(AU-86 BOARD, DVPC-1000)

#10001 TO 10599 (J)
#10001 TO 10899 (UC)
#10001 TO 10899 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICA22	8-759-901-25	s	IC SN74LS125AN
ICA23	8-759-901-25	s	IC SN74LS125AN
ICA24	8-759-901-25	s	IC SN74LS125AN
ICA25	8-759-912-12	s	IC SN74ALS240AN
ICB1	8-759-000-99	s	IC MC74HC74N
ICB2	8-759-202-75	s	IC TC74HCT04P
ICB3	8-759-202-74	s	IC TC74HC04P
ICB4	8-759-000-99	s	IC MC74HC74N
ICB5	8-759-202-74	s	IC TC74HC04P
ICB6	8-759-202-75	s	IC TC74HCT04P
ICB7	8-759-000-99	s	IC MC74HC74N
ICB8	8-759-202-74	s	IC TC74HC04P
ICB9	8-759-202-74	s	IC TC74HC04P
ICB10	8-759-000-99	s	IC MC74HC74N
ICB11	8-759-202-74	s	IC TC74HC04P
ICB12	8-759-000-99	s	IC MC74HC74N
ICB13	8-759-774-50	s	IC MB7114H-AU86011
ICB14	8-759-912-48	s	IC SN74ALS874NT
ICB15	8-759-004-63	s	IC MC74HC125N
ICB16	8-759-776-05	s	IC MBM27C256-AU86101
ICB19	8-759-900-69	s	IC SN74ALS74AN
ICB20	8-759-904-14	s	IC SN74ALS04AN
ICB23	8-759-778-04	s	IC MBL8742H-AU861111
ICB24	8-759-203-61	s	IC TC74HC688P
ICB25	8-759-202-33	s	IC TC74HC240P
ICC1	8-759-202-32	s	IC TC74HC163P
ICC2	8-759-202-11	s	IC TC74HC00P
ICC3	8-759-000-99	s	IC MC74HC74N
ICC4	8-759-202-32	s	IC TC74HC163P
ICC5	8-759-202-24	s	IC TC74HC86P
ICC6	8-759-202-74	s	IC TC74HC04P
ICC7	8-759-202-32	s	IC TC74HC163P
ICC8	8-759-202-11	s	IC TC74HC00P
ICC9	8-759-000-99	s	IC MC74HC74N
ICC10	8-759-202-32	s	IC TC74HC163P
ICC11	8-759-202-24	s	IC TC74HC86P
ICC12	8-759-202-74	s	IC TC74HC04P
ICC13	8-759-202-32	s	IC TC74HC163P
ICC14	8-759-112-21	s	IC uPD4314C-35
ICC15	8-759-202-15	s	IC TC74HC10P
ICC16	8-759-000-99	s	IC MC74HC74N
ICC17	8-759-202-74	s	IC TC74HC04P
ICC18	8-759-103-88	s	IC uPD82C43CY
ICC19	8-759-103-88	s	IC uPD82C43CY
ICC20	8-759-103-88	s	IC uPD82C43CY
ICC21	8-759-103-88	s	IC uPD82C43CY
ICC24	8-759-203-54	s	IC TC74HC640P
ICC25	8-759-202-33	s	IC TC74HC240P
ICD1	8-759-001-39	s	IC MC74HC164N
ICD2	8-759-790-00	s	IC VP16V8E-AU86201
ICD3	8-759-202-14	s	IC TC74HC08P
ICD4	8-759-001-39	s	IC MC74HC164N
ICD5	8-759-790-00	s	IC VP16V8E-AU86201
ICD6	8-759-000-99	s	IC MC74HC74N
ICD7	8-759-001-39	s	IC MC74HC164N
ICD8	8-759-790-00	s	IC VP16V8E-AU86201
ICD9	8-759-202-14	s	IC TC74HC08P
ICD10	8-759-001-39	s	IC MC74HC164N
ICD11	8-759-790-00	s	IC VP16V8E-AU86201
ICD12	8-759-000-99	s	IC MC74HC74N
ICD13	8-752-304-30	s	IC CX23043
ICD14	8-759-004-80	s	IC MC74HCT374N
ICD15	8-759-912-48	s	IC SN74ALS874NT
ICD16	8-759-912-48	s	IC SN74ALS874NT
ICD17	8-759-203-18	s	IC TC74HC253P
ICD18	8-759-203-18	s	IC TC74HC253P
ICD19	8-759-004-63	s	IC MC74HC125N
ICD20	8-759-202-74	s	IC TC74HC04P
ICD21	8-759-202-74	s	IC TC74HC04P
ICD22	8-759-202-75	s	IC TC74HCT04P
ICD23	8-752-304-30	s	IC CX23043
ICD24	8-752-304-30	s	IC CX23043
ICD25	8-759-900-69	s	IC SN74ALS74AN
ICE1	8-759-203-76	s	IC TC74HC4078P
ICE2	8-759-203-01	s	IC TC74HC175P

(AU-86 BOARD, DVPC-1000)

#10001 TO 10599 (J)
#10001 TO 10899 (UC)
#10001 TO 10899 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICE3	8-759-202-21	s	IC TC74HC32P
ICE4	8-759-203-76	s	IC TC74HC4078P
ICE5	8-759-203-01	s	IC TC74HC175P
ICE6	8-759-202-21	s	IC TC74HC32P
ICE7	8-759-203-76	s	IC TC74HC4078P
ICE8	8-759-203-01	s	IC TC74HC175P
ICE9	8-759-202-21	s	IC TC74HC32P
ICE10	8-759-203-76	s	IC TC74HC4078P
ICE11	8-759-203-01	s	IC TC74HC175P
ICE12	8-759-202-21	s	IC TC74HC32P
ICE14	8-759-774-31	s	IC MB7232RA-AU86021
ICE15	8-759-202-34	s	IC TC74HC257P
ICE16	8-759-202-34	s	IC TC74HC257P
ICE17	8-759-203-50	s	IC TC74HC574P
ICE18	8-759-112-31	s	IC uPD4311C-35
ICE19	8-759-202-99	s	IC TC74HC173P
ICE20	8-759-202-75	s	IC TC74HCT04P
ICE21	8-759-000-99	s	IC MC74HC74N
ICE22	8-759-900-00	s	IC SN74LS00N
ICE23	8-759-900-69	s	IC SN74ALS74AN
ICE24	8-759-900-04	s	IC SN74LS04N
ICE25	8-759-926-32	s	IC AM26LS32PC
ICF1	8-759-000-99	s	IC MC74HC74N
ICF2	8-759-202-74	s	IC TC74HC04P
ICF3	8-759-202-99	s	IC TC74HC173P
ICF4	8-759-000-99	s	IC MC74HC74N
ICF5	8-759-202-74	s	IC TC74HC04P
ICF6	8-759-202-99	s	IC TC74HC173P
ICF7	8-759-000-99	s	IC MC74HC74N
ICF8	8-759-202-74	s	IC TC74HC04P
ICF9	8-759-202-99	s	IC TC74HC173P
ICF10	8-759-000-99	s	IC MC74HC74N
ICF11	8-759-202-74	s	IC TC74HC04P
ICF12	8-759-202-99	s	IC TC74HC173P
ICF13	8-759-112-21	s	IC uPD4314C-35
ICF14	8-759-112-21	s	IC uPD4314C-35
ICF15	8-759-202-34	s	IC TC74HC257P
ICF16	8-759-202-34	s	IC TC74HC257P
ICF17	8-759-203-50	s	IC TC74HC574P
ICF18	8-759-112-31	s	IC uPD4311C-35
ICF19	8-759-202-99	s	IC TC74HC173P
ICF20	8-759-202-99	s	IC TC74HC173P
ICF21	8-759-900-69	s	IC SN74ALS74AN
ICF22	8-759-001-39	s	IC MC74HC164N
ICF23	8-759-202-99	s	IC TC74HC173P
ICF24	8-759-775-01	s	IC MB7122H-AU86031
ICF25	8-759-912-48	s	IC SN74ALS874NT
ICG1	8-759-000-99	s	IC MC74HC74N
ICG2	8-759-000-99	s	IC MC74HC74N
ICG3	8-759-203-01	s	IC TC74HC175P
ICG4	8-759-000-99	s	IC MC74HC74N
ICG5	8-759-000-99	s	IC MC74HC74N
ICG6	8-759-203-01	s	IC TC74HC175P
ICG7	8-759-000-99	s	IC MC74HC74N
ICG8	8-759-000-99	s	IC MC74HC74N
ICG9	8-759-203-01	s	IC TC74HC175P
ICG10	8-759-000-99	s	IC MC74HC74N
ICG11	8-759-000-99	s	IC MC74HC74N
ICG12	8-759-203-01	s	IC TC74HC175P
ICG13	8-759-936-59	s	IC SN74ALS257N
ICG14	8-759-936-59	s	IC SN74ALS257N
ICG15	8-759-936-59	s	IC SN74ALS257N
ICG17	8-759-203-50	s	IC TC74HC574P
ICG18	8-759-203-50	s	IC TC74HC574P
ICG19	8-759-203-50	s	IC TC74HC574P
ICG20	8-759-203-50	s	IC TC74HC574P
ICG21	8-759-202-89	s	IC TC74HC139P
ICG22	8-759-001-39	s	IC MC74HC164N
ICG23	8-752-304-30	s	IC CX23043
ICG24	8-759-774-07	s	IC MB7226RA-AU86041
ICG25	8-759-112-21	s	IC uPD4314C-35
ICH1	8-759-937-86	s	IC CX20214
ICH2	8-759-937-86	s	IC CX20214
ICH3	8-759-790-01	s	IC VP16V8E-AU86211

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(AU-86 BOARD, DVPC-1000)

#10001 TO 10599 (J)
#10001 TO 10899 (UC)
#10001 TO 10899 (EK)

Ref. No. or Qty	Part No	SP	Description
ICH4	8-759-937-86	s	IC CX20214
ICH5	8-759-918-33	s	IC CX20160
ICH6	8-759-790-01	s	IC VP16V8E-AU86211
ICH7	8-759-937-86	s	IC CX20214
ICH8	8-759-937-86	s	IC CX20214
ICH9	8-759-790-01	s	IC VP16V8E-AU86211
ICH10	8-759-937-86	s	IC CX20214
ICH11	8-759-918-33	s	IC CX20160
ICH12	8-759-790-01	s	IC VP16V8E-AU86211
ICH13	8-752-304-30	s	IC CX23043
ICH14	8-752-304-30	s	IC CX23043
ICH15	8-759-918-33	s	IC CX20160
ICH16	8-759-774-08	s	IC MB7226RA-AU86051
ICH17	8-759-203-50	s	IC TC74HC574P
ICH18	8-759-203-50	s	IC TC74HC574P
ICH19	8-759-203-50	s	IC TC74HC574P
ICH20	8-759-203-50	s	IC TC74HC574P
ICH21	8-759-202-11	s	IC TC74HC00P
ICH22	8-759-202-99	s	IC TC74HC173P
ICH23	8-759-912-48	s	IC SN74ALS874NT
ICH24	8-759-902-57	s	IC SN74LS257AN
ICH25	8-759-912-48	s	IC SN74ALS874NT
ICJ1	8-759-937-86	s	IC CX20214
ICJ2	8-759-937-86	s	IC CX20214
ICJ3	8-759-001-39	s	IC MC74HC164N
ICJ4	8-759-937-86	s	IC CX20214
ICJ5	8-759-202-14	s	IC TC74HC08P
ICJ7	8-759-937-86	s	IC CX20214
ICJ8	8-759-937-86	s	IC CX20214
ICJ9	8-759-001-39	s	IC MC74HC164N
ICJ10	8-759-937-86	s	IC CX20214
ICJ11	8-759-202-14	s	IC TC74HC08P
ICJ15	8-759-202-99	s	IC TC74HC173P
ICJ16	8-759-202-99	s	IC TC74HC173P
ICJ17	8-759-903-84	s	IC SN74LS384N
ICJ18	8-759-903-84	s	IC SN74LS384N
ICJ19	8-759-202-98	s	IC TC74HC166P
ICJ20	8-759-203-52	s	IC TC74HC595P
ICJ21	8-759-937-86	s	IC CX20214
ICJ22	8-759-000-99	s	IC MC74HC74N
ICJ23	8-759-202-24	s	IC TC74HC86P
ICJ24	8--759-203-18	s	IC TC74HC253P
ICJ25	8-759-913-63	s	IC SN74ALS374N
L1	1-421-370-00	s	COIL, CHOKE
L2	1-421-370-00	s	COIL, CHOKE
L3	1-410-336-11	s	INDUCTOR, 220uH 10%
L4	1-410-336-11	s	INDUCTOR, 220uH 10%
L5	1-410-336-11	s	INDUCTOR, 220uH 10%
L6	1-410-336-11	s	INDUCTOR, 220uH 10%
RB1	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB2	1-231-495-00	s	RESISTOR BLOCK, 270X4
RB3	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB4	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB5	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB6	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB7	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB8	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB9	1-231-549-11	s	RESISTOR BLOCK, 47KX4
RB10	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB11	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB12	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB13	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB14	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB15	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB16	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB17	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB18	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB19	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB20	1-231-410-00	s	RESISTOR BLOCK, 10KX8
S1	1-554-080-00	s	SWITCH, ROTARY
S2	1-554-397-21	s	SWITCH, TOGGLE
S3	1-554-397-21	s	SWITCH, TOGGLE
S4	1-570-623-11	s	SWITCH, DIP 4CKT
X1	1-527-828-00	s	CRYSTAL 12.000MHz

AU-86 BOARD, DVPC-1000

#10601 & UP (J)
#10901 & UP (UC)
#10901 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6019-005-B	o	COMPLETE PCB, AU-86
(This assembly includes the following parts.)			
2pcs	3-673-249-11	o	LEVER, PC BOARD
1pc	3-715-721-41	o	LABEL (2), SERIAL NUMBER
2pcs	7-621-775-10	s	SCREW +B 2.6X4
2pcs	7-626-320-11	o	PIN, SPRING 3X8
6pcs	7-628-253-40	s	SCREW +PS 2X10
1pc	7-628-254-00	s	SCREW +PSW 2.6X5
20pcs	7-628-254-10	s	+PSW, 2.6X6
2pcs	7-628-254-20	s	+PSW, 2.6X8
C4	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C5	1-130-479-00	s	CAP, MYLAR 0.0047uF 5% 50V
C6	1-130-493-00	s	CAP, MYLAR 0.068uF 5% 50V
C8	1-161-467-00	s	CAP, CERAMIC 470PF 5% 50V
C9	1-109-557-00	s	CAP, MICA 680PF 5% 100V
C12	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C13	1-130-479-00	s	CAP, MYLAR 0.0047uF 5% 50V
C14	1-130-493-00	s	CAP, MYLAR 0.068uF 5% 50V
C16	1-161-467-00	s	CAP, CERAMIC 470PF 5% 50V
C17	1-109-557-00	s	CAP, MICA 680PF 5% 100V
C20	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C21	1-130-479-00	s	CAP, MYLAR 0.0047uF 5% 50V
C22	1-130-493-00	s	CAP, MYLAR 0.068uF 5% 50V
C24	1-161-467-00	s	CAP, CERAMIC 470PF 5% 50V
C25	1-109-557-00	s	CAP, MICA 680PF 5% 100V
C28	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C29	1-130-479-00	s	CAP, MYLAR 0.0047uF 5% 50V
C30	1-130-493-00	s	CAP, MYLAR 0.068uF 5% 50V
C32	1-161-467-00	s	CAP, CERAMIC 470PF 5% 50V
C33	1-109-557-00	s	CAP, MICA 680PF 5% 100V
C119	1-161-467-00	s	CAP, CERAMIC 470PF 5% 50V
C120	1-161-467-00	s	CAP, CERAMIC 470PF 5% 50V
C121	1-161-467-00	s	CAP, CERAMIC 470PF 5% 50V
C122	1-161-467-00	s	CAP, CERAMIC 470PF 5% 50V
C123	1-162-732-11	s	CAP, CERAMIC 820PF 5% 50V
C124	1-162-732-11	s	CAP, CERAMIC 820PF 5% 50V
C125	1-162-732-11	s	CAP, CERAMIC 820PF 5% 50V
C126	1-162-732-11	s	CAP, CERAMIC 820PF 5% 50V
C127	1-162-732-11	s	CAP, CERAMIC 820PF 5% 50V
C128	1-162-732-11	s	CAP, CERAMIC 820PF 5% 50V
C129	1-162-710-11	s	CAP, CERAMIC 100PF 5% 50V
C130	1-162-710-11	s	CAP, CERAMIC 100PF 5% 50V
C131	1-162-710-11	s	CAP, CERAMIC 100PF 5% 50V
C132	1-162-710-11	s	CAP, CERAMIC 100PF 5% 50V
CN1	1-566-385-11	s	PIN, CONNECTOR 2P
CN2	1-566-385-11	s	PIN, CONNECTOR 2P
CN3	1-566-385-11	s	PIN, CONNECTOR 2P
CN101	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103	1-506-746-11	s	RECEP, DIN 48P, MALE
D9	8-719-400-35	s	DIODE LN35BP
D10	8-719-400-35	s	DIODE LN35BP
D11	8-719-400-35	s	DIODE LN35BP
D12	8-719-400-35	s	DIODE LN35BP
F1	⚠ 1-576-031-11	s	FUSE, MICRO 10A
ICA1	8-759-906-24	s	IC SN74LS624N
ICA2	8-759-918-71	s	IC CX23065
ICA3	8-759-901-23	s	IC SN74LS123N
ICA4	8-759-906-24	s	IC SN74LS624N
ICA5	8-759-918-71	s	IC CX23065
ICA6	8-759-901-23	s	IC SN74LS123N
ICA7	8-759-906-24	s	IC SN74LS624N
ICA8	8-759-918-71	s	IC CX23065
ICA9	8-759-901-23	s	IC SN74LS123N
ICA10	8-759-906-24	s	IC SN74LS624N
ICA11	8-759-918-71	s	IC CX23065
ICA12	8-759-901-23	s	IC SN74LS123N
ICA14	8-759-916-29	s	IC SN74HC74N
ICA15	8-759-921-08	s	IC SN74HC02N

(AU-86 BOARD, DVPC-1000)

#10601 & UP (J)
#10901 & UP (UC)
#10901 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICA16	8-752-304-30	s	IC CX23043
ICA17	8-752-304-30	s	IC CX23043
ICA18	8-759-901-38	s	IC SN74LS138N
ICA19	8-759-780-46	s	IC 27C512-AU86402
ICA21	8-759-901-66	s	IC SN74LS166AN
ICA22	8-759-901-66	s	IC SN74LS166AN
ICA24	8-759-794-19	s	IC PAL16L8B-AU86521
ICA25	8-759-912-12	s	IC SN74ALS240AN
ICB1	8-759-202-75	s	IC TC74HCT04P
ICB2	8-759-903-93	s	IC SN74LS393N
ICB3	8-759-912-48	s	IC SN74ALS874NT
ICB4	8-759-901-23	s	IC SN74LS123N
ICB5	8-759-903-93	s	IC SN74LS393N
ICB6	8-759-202-24	s	IC TC74HC86P
ICB7	8-759-202-75	s	IC TC74HCT04P
ICB8	8-759-903-93	s	IC SN74LS393N
ICB9	8-759-912-48	s	IC SN74ALS874NT
ICB10	8-759-901-23	s	IC SN74LS123N
ICB11	8-759-903-93	s	IC SN74LS393N
ICB12	8-759-202-75	s	IC TC74HCT04P
ICB13	8-759-780-03	s	IC MB7122H-AU86311
ICB14	8-759-912-48	s	IC SN74ALS874NT
ICB15	8-759-004-63	s	IC MC74HC125N
ICB16	8-759-202-74	s	IC TC74HC04P
ICB23	8-759-784-18	s	IC MBL8742H-AU861113
ICB24	8-759-946-64	s	IC SN74ALS04BN
ICB25	8-759-203-61	s	IC TC74HC688P
ICB26	8-759-916-65	s	IC SN74HC240N
ICC1	8-759-915-26	s	IC CX23053
ICC3	8-759-916-29	s	IC SN74HC74N
ICC4	8-759-916-29	s	IC SN74HC74N
ICC5	8-759-915-26	s	IC CX23053
ICC7	8-759-915-26	s	IC CX23053
ICC9	8-759-916-29	s	IC SN74HC74N
ICC10	8-759-916-29	s	IC SN74HC74N
ICC11	8-759-915-26	s	IC CX23053
ICC13	8-759-202-32	s	IC TC74HC163P
ICC14	8-752-322-12	s	IC CXK5416P-35
ICC15	8-759-202-15	s	IC TC74HC10P
ICC16	8-759-916-29	s	IC SN74HC74N
ICC17	8-759-103-88	s	IC UPD82C43CY
ICC18	8-759-103-88	s	IC UPD82C43CY
ICC19	8-759-103-88	s	IC UPD82C43CY
ICC20	8-759-103-88	s	IC UPD82C43CY
ICC24	8-759-900-69	s	IC SN74ALS74AN
ICC25	8-759-203-54	s	IC TC74HC640P
ICC26	8-759-916-65	s	IC SN74HC240N
ICD3	8-759-202-11	s	IC TC74HC00P
ICD4	8-759-202-74	s	IC TC74HC04P
ICD9	8-759-202-11	s	IC TC74HC00P
ICD10	8-759-202-74	s	IC TC74HC04P
ICE1	8-759-202-74	s	IC TC74HC04P
ICE2	8-759-202-74	s	IC TC74HC04P
ICE3	8-752-304-30	s	IC CX23043
ICE4	8-752-304-30	s	IC CX23043
ICE5	8-759-202-74	s	IC TC74HC04P
ICE6	8-759-202-74	s	IC TC74HC04P
ICE7	8-759-202-74	s	IC TC74HC04P
ICE8	8-759-202-74	s	IC TC74HC04P
ICE9	8-752-304-30	s	IC CX23043
ICE10	8-752-304-30	s	IC CX23043
ICE11	8-759-202-74	s	IC TC74HC04P
ICE12	8-759-202-74	s	IC TC74HC04P
ICE13	8-752-304-30	s	IC CX23043
ICE14	8-759-004-80	s	IC MC74HCT374N
ICE15	8-759-912-48	s	IC SN74ALS874NT
ICE16	8-759-912-48	s	IC SN74ALS874NT
ICE17	8-759-203-18	s	IC TC74HC253P
ICE18	8-759-203-18	s	IC TC74HC253P
ICE19	8-759-004-63	s	IC MC74HC125N

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(AU-86 BOARD, DVPC-1000)

#10601 & UP (J)
#10901 & UP (UC)
#10901 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICE20	8-759-202-74	s	IC TC74HC04P
ICE21	8-759-202-74	s	IC TC74HC04P
ICE22	8-759-202-75	s	IC TC74HCT04P
ICE23	8-752-304-30	s	IC CX23043
ICE24	8-752-304-30	s	IC CX23043
ICE25	8-759-900-69	s	IC SN74ALS74AN
ICF1	8-759-001-39	s	IC MC74HC164N
ICF2	8-759-796-69	s	IC GAL16V8-AU86532
ICF3	8-759-794-15	s	IC PAL16R8B-AU86501
ICF4	8-759-794-15	s	IC PAL16R8B-AU86501
ICF5	8-759-001-39	s	IC MC74HC164N
ICF6	8-759-796-69	s	IC GAL16V8-AU86532
ICF7	8-759-001-39	s	IC MC74HC164N
ICF8	8-759-796-69	s	IC GAL16V8-AU86532
ICF9	8-759-794-15	s	IC PAL16R8B-AU86501
ICF10	8-759-794-15	s	IC PAL16R8B-AU86501
ICF11	8-759-001-39	s	IC MC74HC164N
ICF12	8-759-796-69	s	IC GAL16V8-AU86532
ICF13	8-752-322-12	s	IC CXK5416P-35
ICF14	8-752-322-12	s	IC CXK5416P-35
ICF15	8-759-774-31	s	IC MB7232RA-AU86021
ICF16	8-759-202-34	s	IC TC74HC257P
ICF17	8-759-202-34	s	IC TC74HC257P
ICF18	8-759-203-50	s	IC TC74HC574P
ICF19	8-759-112-31	s	IC UPD4311C-35
ICF20	8-759-202-99	s	IC TC74HC173P
ICF21	8-759-202-75	s	IC TC74HCT04P
ICF22	8-759-916-29	s	IC SN74HC74N
ICF23	8-759-900-00	s	IC SN74LS00N
ICF24	8-759-900-69	s	IC SN74ALS74AN
ICF25	8-759-900-04	s	IC SN74LS04N
ICF26	8-759-926-32	s	IC AM26LS32PC
ICG1	8-759-796-70	s	IC GAL16V8-AU86512
ICG2	8-759-203-01	s	IC TC74HC175P
ICG3	8-759-001-39	s	IC MC74HC164N
ICG4	8-759-001-39	s	IC MC74HC164N
ICG5	8-759-796-70	s	IC GAL16V8-AU86512
ICG6	8-759-203-01	s	IC TC74HC175P
ICG7	8-759-796-70	s	IC GAL16V8-AU86512
ICG8	8-759-203-01	s	IC TC74HC175P
ICG9	8-759-001-39	s	IC MC74HC164N
ICG10	8-759-001-39	s	IC MC74HC164N
ICG11	8-759-796-70	s	IC GAL16V8-AU86512
ICG12	8-759-203-01	s	IC TC74HC175P
ICG13	8-759-936-59	s	IC SN74ALS257N
ICG14	8-759-936-59	s	IC SN74ALS257N
ICG15	8-759-936-59	s	IC SN74ALS257N
ICG16	8-759-202-34	s	IC TC74HC257P
ICG17	8-759-202-34	s	IC TC74HC257P
ICG18	8-759-203-50	s	IC TC74HC574P
ICG19	8-759-112-31	s	IC UPD4311C-35
ICG20	8-759-202-99	s	IC TC74HC173P
ICG21	8-759-202-99	s	IC TC74HC173P
ICG22	8-759-900-69	s	IC SN74ALS74AN
ICG23	8-759-001-39	s	IC MC74HC164N
ICG24	8-759-202-99	s	IC TC74HC173P
ICG25	8-759-780-00	s	IC MB7128H-AU86331
ICG26	8-759-912-48	s	IC SN74ALS874NT
ICH1	8-759-916-29	s	IC SN74HC74N
ICH2	8-759-916-29	s	IC SN74HC74N
ICH3	8-759-921-83	s	IC SN74HC4078AN
ICH4	8-759-921-83	s	IC SN74HC4078AN
ICH5	8-759-916-29	s	IC SN74HC74N
ICH6	8-759-916-29	s	IC SN74HC74N
ICH7	8-759-916-29	s	IC SN74HC74N
ICH8	8-759-000-99	s	IC MC74HC74N
ICH9	8-759-921-83	s	IC SN74HC4078AN
ICH10	8-759-921-83	s	IC SN74HC4078AN
ICH11	8-759-000-99	s	IC MC74HC74N
ICH12	8-759-000-99	s	IC MC74HC74N

(AU-86 BOARD, DVPC-1000)

#10601 & UP (J)
#10901 & UP (UC)
#10901 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICH13	8-752-304-30	s	IC CX23043
ICH14	8-752-304-30	s	IC CX23043
ICH15	8-759-779-88	s	IC 27C32A-AU86411
ICH17	8-759-779-88	s	IC 27C32A-AU86411
ICH18	8-759-203-50	s	IC TC74HC574P
ICH19	8-759-203-50	s	IC TC74HC574P
ICH20	8-759-203-50	s	IC TC74HC574P
ICH21	8-759-203-50	s	IC TC74HC574P
ICH22	8-759-202-89	s	IC TC74HC139P
ICH23	8-759-001-39	s	IC MC74HC164N
ICH24	8-752-304-30	s	IC CX23043
ICH25	8-759-780-01	s	IC MB7226RA-AU86042
ICH26	8-752-322-12	s	IC CXK5416P-35
ICJ1	8-759-937-86	s	IC CX20214
ICJ2	8-759-937-86	s	IC CX20214
ICJ3	8-759-916-29	s	IC SN74HC74N
ICJ4	8-759-937-86	s	IC CX20214
ICJ5	8-759-918-33	s	IC CX20160
ICJ7	8-759-937-86	s	IC CX20214
ICJ8	8-759-937-86	s	IC CX20214
ICJ9	8-759-916-29	s	IC SN74HC74N
ICJ10	8-759-937-86	s	IC CX20214
ICJ11	8-759-918-33	s	IC CX20160
ICJ13	8-759-918-33	s	IC CX20160
ICJ14	8-759-779-89	s	IC MB7226RA-AU86052
ICJ15	8-759-779-88	s	IC 27C32A-AU86411
ICJ17	8-759-779-88	s	IC 27C32A-AU86411
ICJ18	8-759-203-50	s	IC TC74HC574P
ICJ19	8-759-203-50	s	IC TC74HC574P
ICJ20	8-759-203-50	s	IC TC74HC574P
ICJ21	8-759-203-50	s	IC TC74HC574P
ICJ22	8-759-202-11	s	IC TC74HC00P
ICJ23	8-759-202-99	s	IC TC74HC173P
ICJ24	8-759-912-48	s	IC SN74ALS874NT
ICJ25	8-759-989-73	s	IC SN74LS257BN
ICJ26	8-759-912-48	s	IC SN74ALS874NT
ICK1	8-759-937-86	s	IC CX20214
ICK2	8-759-937-86	s	IC CX20214
ICK3	8-759-001-39	s	IC MC74HC164N
ICK4	8-759-937-86	s	IC CX20214
ICK5	8-759-803-70	s	IC LC74HC08
ICK7	8-759-937-86	s	IC CX20214
ICK8	8-759-937-86	s	IC CX20214
ICK9	8-759-001-39	s	IC MC74HC164N
ICK10	8-759-937-86	s	IC CX20214
ICK11	8-759-803-70	s	IC LC74HC08
ICK13	8-759-202-99	s	IC TC74HC173P
ICK14	8-759-202-99	s	IC TC74HC173P
ICK15	8-759-004-80	s	IC MC74HCT374N
ICK16	8-759-918-33	s	IC CX20160
ICK17	8-759-918-33	s	IC CX20160
ICK18	8-759-903-84	s	IC SN74LS384N
ICK19	8-759-903-84	s	IC SN74LS384N
ICK20	8-759-796-75	s	IC GAL16V8-AU86541
ICK21	8-759-937-86	s	IC CX20214
ICK22	8-759-001-63	s	IC MC74HC595N
ICK23	8-759-202-98	s	IC TC74HC166P
ICK24	8-759-203-18	s	IC TC74HC253P
ICK25	8-759-913-63	s	IC SN74ALS374N
L1	1-421-370-00	s	COIL, CHOKE
L2	1-421-370-00	s	COIL, CHOKE
L3	1-410-336-11	s	INDUCTOR, 220uH 10%
L4	1-410-336-11	s	INDUCTOR, 220uH 10%
L5	1-410-336-11	s	INDUCTOR, 220uH 10%
L6	1-410-336-11	s	INDUCTOR, 220uH 10%
RB1	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB2	1-231-533-00	s	RESISTOR BLOCK, 10KX4

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(AU-86 NOARD, DVPC-1000)

#10601 &UP (J)
#10901 &UP (UC)
#10901 &UP (EK)

Ref. No. or Qty	Part No.	SP	Description
RB3	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB4	1-231-495-00	s	RESISTOR BLOCK, 270X4
RB5	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB6	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB7	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB8	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB9	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB10	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB11	1-235-359-11	s	RESISTOR BLOCK, 47Kx4
RB12	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB13	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB14	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB15	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB16	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB17	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB18	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB19	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB20	1-231-533-00	s	RESISTOR BLOCK, 10KX4
S1	1-554-080-00	s	SWITCH, ROTARY
S2	1-554-397-21	s	SWITCH, TOGGLE
S3	1-554-397-21	s	SWITCH, TOGGLE
S4	1-570-623-11	s	SWITCH, DIP 4CKT
S5	1-554-080-00	s	SWITCH, ROTARY
X1	1-527-828-00	s	CRYSTAL 12.000MHz

CI-01 BOARD, DVPC-1000

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6019-014-A	o	COMPLETE PCB, CI-01
(This assembly includes the following parts.)			
1pcs	3-715-724-31	o	LABEL (2), SERIAL NUMBER
2pcs	3-673-249-00	o	LEVER, PC BOARD
2pcs	7-621-775-10	s	SCREW, +B 2.6X4
2pcs	7-626-320-11	o	PIN, SPRING 3X8
2pcs	7-628-254-20	s	SCREW +PSW 2.6X8
6pc	7-628-254-40	s	SCREW, +PS 2X10
21pcs	7-628-254-10	s	SCREW, +PSW 2.6X6
C5	1-131-349-00	s	CAP, TANT 2.2uF 10% 35V
C6	1-131-349-00	s	CAP, TANT 2.2uF 10% 35V
CN4	1-566-618-11	o	PIN, SHORT 20P
CN5	1-560-733-00	s	PIN, SHORT
CN6	1-560-733-00	s	PIN, SHORT
CN101M	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103M	1-506-746-11	s	RECEP, DIN 48P, MALE
D1	8-719-404-07	s	DIODE LN45YP
D2	8-719-404-07	s	DIODE LN45YP
F1	⚠ 1-532-926-12	s	FUSE, MICRO 10A
F2	⚠ 1-532-926-12	s	FUSE, MICRO 10A
ICA1	8-759-202-86	s	IC TC74HC123P
ICA2	8-759-202-93	s	IC TC74HC153P
ICA3	8-759-774-42	s	IC MB7232RA-CI01111
ICA4	8-759-912-48	s	IC SN74ALS874NT
ICA5	8-759-912-48	s	IC SN74ALS874NT
ICA7	8-759-912-48	s	IC SN74ALS874NT
ICA8	8-759-912-48	s	IC SN74ALS874NT
ICA9	8-759-912-48	s	IC SN74ALS874NT
ICA10	8-759-912-48	s	IC SN74ALS874NT
ICA11	8-759-913-63	s	IC SN74ALS374N
ICA12	8-759-004-80	s	IC MC74HCT374N
ICA14	8-759-903-99	s	IC SN74LS399N
ICA15	8-759-112-25	s	IC uPD4361C-45
ICA16	8-759-112-25	s	IC uPD4361C-45
ICA17	8-759-112-25	s	IC uPD4361C-45
ICA18	8-759-112-25	s	IC uPD4361C-45
ICA19	8-759-112-25	s	IC uPD4361C-45
ICA21	8-759-112-25	s	IC uPD4361C-45
ICA22	8-759-112-25	s	IC uPD4361C-45
ICA23	8-759-112-25	s	IC uPD4361C-45
ICA24	8-759-112-25	s	IC uPD4361C-45
ICA25	8-759-112-25	s	IC uPD4361C-45
ICA27	8-759-775-21	s	IC MBM27C256-CI01051
ICA29	8-759-775-23	s	IC MBM27C256-CI01071
ICA31	8-759-775-22	s	IC MBM27C256-CI01061
ICA32	8-759-775-24	s	IC MBM27C256-CI01081
ICA33	8-759-790-51	s	IC VP16V8E-CI01291
ICA35	8-759-790-50	s	IC VP16V8E-CI01281
ICA38	8-759-777-56	s	IC MBL8742H-CI013311
ICB2	8-759-774-48	s	IC MB7128H-CI01101
ICB3	8-759-004-84	s	IC MC74HC597N
ICB4	8-759-004-84	s	IC MC74HC597N
ICB5	8-759-903-99	s	IC SN74LS399N
ICB7	8-759-202-24	s	IC TC74HC86P
ICB8	8-759-202-24	s	IC TC74HC86P
ICB9	8-759-900-08	s	IC SN74LS08N
ICB10	8-759-900-86	s	IC SN74LS86N
ICB12	8-759-916-07	s	IC CX23038
ICB14	8-759-903-99	s	IC SN74LS399N
ICB15	8-759-903-99	s	IC SN74LS399N
ICB16	8-759-004-80	s	IC MC74HCT374N
ICB17	8-759-004-80	s	IC MC74HCT374N
ICB18	8-759-903-99	s	IC SN74LS399N
ICB19	8-759-900-32	s	IC SN74LS32N
ICB21	8-759-902-94	s	IC SN74LS590N
ICB24	8-759-004-80	s	IC MC74HCT374N
ICB25	8-759-004-80	s	IC MC74HCT374N
ICB27	8-759-202-31	s	IC TC74HC162P
ICB28	8-759-902-94	s	IC SN74LS590N
ICB29	8-759-902-94	s	IC SN74LS590N

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(CI-01 BOARD, DVPC-1000)

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICB30	8-759-202-75	s	IC TC74HCT04P
ICB31	8-759-902-94	s	IC SN74LS590N
ICB32	8-759-902-94	s	IC SN74LS590N
ICB33	8-759-790-47	s	IC VP16V8E-CI01251
ICB35	8-759-913-63	s	IC SN74ALS374N
ICB36	8-759-203-48	s	IC TC74HC573P
ICB37	8-759-103-88	s	IC uPD82C43CY
ICC2	8-759-203-36	s	IC TC74HC374P
ICC3	8-759-918-33	s	IC CX20160
ICC4	8-759-790-53	s	IC VP16V8E-CI01311
ICC5	8-759-004-80	s	IC MC74HCT374N
ICC7	8-759-775-03	s	IC MB7116H-CI01121
ICC8	8-759-203-62	s	IC TC74HC4002P
ICC9	8-759-790-54	s	IC VP16V8E-CI01321
ICC10	8-759-903-99	s	IC SN74LS399N
ICC22	8-759-775-40	s	IC MBM27C32-CI01041
ICC36	8-759-202-12	s	IC TC74HC02P
ICC38	8-759-000-99	s	IC MC74HC74N
ICD11	8-759-202-24	s	IC TC74HC86P
ICD12	8-759-202-74	s	IC TC74HC04P
ICD14	8-759-203-36	s	IC TC74HC374P
ICD15	8-759-203-36	s	IC TC74HC374P
ICD16	8-759-203-61	s	IC TC74HC688P
ICD17	8-759-791-27	s	IC VP16V8E-CI01272
ICD18	8-759-203-36	s	IC TC74HC374P
ICD19	8-759-791-28	s	IC VP16V8E-CI01262
ICD21	8-759-903-74	s	IC SN74LS374N
ICD25	8-759-001-39	s	IC MC74HC164N
ICD24	8-759-901-64	s	IC SN74LS164N
ICD27	8-759-202-32	s	IC TC74HC163P
ICD28	8-759-901-63	s	IC SN74LS163AN
ICD29	8-759-004-80	s	IC MC74HCT374N
ICD30	8-759-777-30	s	IC MBM27C32-CI01022
ICD32	8-759-777-29	s	IC MBM27C32-CI01032
ICD34	8-752-304-30	s	IC CX23043
ICD35	8-759-203-61	s	IC TC74HC688P
ICD36	8-759-202-11	s	IC TC74HC00P
ICD37	8-759-203-54	s	IC TC74HC640P
ICE2	8-759-004-80	s	IC MC74HCT374N
ICE3	8-759-203-52	s	IC TC74HC595P
ICE4	8-759-790-52	s	IC VP16V8E-CI01301
ICE7	8-759-775-25	s	IC MBM27C256-CI01091
ICE8	8-759-912-48	s	IC SN74ALS874NT
ICE9	8-759-912-48	s	IC SN74ALS874NT
ICE10	8-759-912-48	s	IC SN74ALS874NT
ICE11	8-759-004-80	s	IC MC74HCT374N
ICE12	8-759-203-36	s	IC TC74HC374P
ICE14	8-759-203-36	s	IC TC74HC374P
ICE15	8-759-004-80	s	IC MC74HCT374N
ICE16	8-759-203-36	s	IC TC74HC374P
ICE17	8-759-203-36	s	IC TC74HC374P
ICE18	8-759-203-36	s	IC TC74HC374P
ICE19	8-759-004-80	s	IC MC74HCT374N
ICE21	8-759-203-36	s	IC TC74HC374P
ICE22	8-759-203-36	s	IC TC74HC374P
ICE23	8-759-004-80	s	IC MC74HCT374N
ICE24	8-759-203-36	s	IC TC74HC374P
ICE25	8-759-203-36	s	IC TC74HC374P
ICE27	8-759-902-40	s	IC SN74LS240N
ICE28	8-759-902-40	s	IC SN74LS240N
ICE29	8-759-904-80	s	IC 74F04PC
ICE30	8-759-904-81	s	IC 74F08PC
ICE31	8-759-900-04	s	IC SN74LS04N
ICE32	8-759-001-39	s	IC MC74HC164N
ICE33	8-759-202-32	s	IC TC74HC163P
ICE35	8-759-900-04	s	IC SN74LS04N
ICE36	8-759-202-33	s	IC TC74HC240P
ICE37	8-759-202-33	s	IC TC74HC240P
ICF2	8-759-900-00	s	IC SN74LS00N
ICF3	8-759-203-52	s	IC TC74HC595P

(CI-01 BOARD, DVPC-1000)

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICF4	8-759-202-32	s	IC TC74HC163P
ICF7	8-759-790-37	s	IC VP16V8E-CI01141
ICF8	8-759-790-37	s	IC VP16V8E-CI01141
ICF9	8-759-790-37	s	IC VP16V8E-CI01141
ICF10	8-759-790-37	s	IC VP16V8E-CI01141
ICF11	8-759-112-18	s	IC uPD4362C-45
ICF12	8-759-112-18	s	IC uPD4362C-45
ICF14	8-759-902-94	s	IC SN74LS590N
ICF15	8-759-112-18	s	IC uPD4362C-45
ICF16	8-759-112-18	s	IC uPD4362C-45
ICF17	8-759-902-94	s	IC SN74LS590N
ICF18	8-759-790-46	s	IC VP16V8E-CI01241
ICF19	8-759-112-18	s	IC uPD4362C-45
ICF21	8-759-112-18	s	IC uPD4362C-45
ICF22	8-759-902-94	s	IC SN74LS590N
ICF23	8-759-112-18	s	IC uPD4362C-45
ICF24	8-759-112-18	s	IC uPD4362C-45
ICF25	8-759-902-94	s	IC SN74LS590N
ICF27	8-759-202-14	s	IC TC74HC08P
ICF28	8-759-904-14	s	IC SN74ALS04AN
ICF29	8-759-904-18	s	IC SN74ALS00AN
ICF30	8-759-900-04	s	IC SN74LS04N
ICF31	8-759-900-08	s	IC SN74LS08N
ICF32	8-759-913-63	s	IC SN74ALS374N
ICF33	8-759-913-63	s	IC SN74ALS374N
ICF34	8-759-913-63	s	IC SN74ALS374N
ICG2	8-752-304-30	s	IC CX23043
ICG3	8-752-304-30	s	IC CX23043
ICG4	8-752-304-30	s	IC CX23043
ICG6	8-752-304-30	s	IC CX23043
ICG35	8-759-926-32	s	IC AM26LS32PC
ICH2	8-759-790-41	s	IC VP16V8E-CI01191
ICH3	8-759-790-40	s	IC VP16V8E-CI01181
ICH4	8-759-790-39	s	IC VP16V8E-CI01171
ICH5	8-759-790-38	s	IC VP16V8E-CI01161
ICH7	8-759-790-37	s	IC VP16V8E-CI01141
ICH8	8-759-790-37	s	IC VP16V8E-CI01141
ICH9	8-759-790-37	s	IC VP16V8E-CI01141
ICH10	8-759-790-37	s	IC VP16V8E-CI01141
ICH11	8-759-203-36	s	IC TC74HC374P
ICH12	8-759-790-45	s	IC VP16V8E-CI01231
ICH14	8-759-004-80	s	IC MC74HCT374N
ICH15	8-759-203-36	s	IC TC74HC374P
ICH16	8-759-790-44	s	IC VP16V8E-CI01221
ICH17	8-759-004-80	s	IC MC74HCT374N
ICH18	8-759-202-75	s	IC TC74HCT04P
ICH19	8-759-203-36	s	IC TC74HC374P
ICH21	8-759-790-43	s	IC VP16V8E-CI01211
ICH22	8-759-004-80	s	IC MC74HCT374N
ICH23	8-759-203-36	s	IC TC74HC374P
ICH24	8-759-790-42	s	IC VP16V8E-CI01201
ICH25	8-759-004-80	s	IC MC74HCT374N
ICH27	8-759-902-40	s	IC SN74LS240N
ICH28	8-759-202-14	s	IC SN74ALS04AN
ICH29	8-759-904-14	s	IC SN74ALS04N
ICH30	8-759-900-67	s	IC SN74ALS02N
ICH31	8-759-902-40	s	IC SN74LS240N
ICH32	8-759-913-63	s	IC SN74ALS374N
ICH33	8-759-913-63	s	IC SN74ALS374N
ICH34	8-759-913-63	s	IC SN74ALS374N
ICH35	8-759-913-63	s	IC SN74ALS374N
ICJ2	8-759-917-52	s	IC 74F138PC
ICJ3	8-759-203-16	s	IC TC74HCT244P
ICJ4	8-759-203-36	s	IC TC74HC374P
ICJ5	8-759-004-80	s	IC MC74HCT374N
ICJ10	8-752-322-09	s	IC CXK5814P-35L
ICJ11	8-759-917-52	s	IC 74F138PC
ICJ12	8-759-203-16	s	IC TC74HCT244P
ICJ13	8-759-203-36	s	IC TC74HC374P
ICJ14	8-759-004-80	s	IC MC74HCT374N

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(CI-01 BOARD, DVPC-1000)

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICJ19	8-752-322-09	s	IC CXK5814P-35L
ICJ20	8-759-917-52	s	IC 74F138PC
ICJ21	8-759-203-16	s	IC TC74HCT244P
ICJ22	8-759-203-36	s	IC TC74HC374P
ICJ23	8-759-004-80	s	IC MC74HCT374N
ICJ28	8-752-322-09	s	IC CXK5814P-35L
ICJ29	8-759-917-52	s	IC 74F138PC
ICJ30	8-759-203-16	s	IC TC74HCT244P
ICJ31	8-759-203-36	s	IC TC74HC374P
ICJ32	8-759-004-80	s	IC MC74HCT374N
ICJ37	8-752-322-09	s	IC CXK5814P-35L
ICK2	8-759-001-39	s	IC MC74HC164N
ICK3	8-752-304-30	s	IC CX23043
ICK4	8-759-004-80	s	IC MC74HCT374N
ICK5	8-759-774-96	s	IC MB7124H-CI01011
ICK7	8-759-107-86	s	IC CXD1038G
ICK10	8-752-322-09	s	IC CXK5814P-35L
ICK11	8-759-001-39	s	IC MC74HC164N
ICK12	8-752-304-30	s	IC CX23043
ICK13	8-759-004-80	s	IC MC74HCT374N
ICK14	8-759-774-96	s	IC MB7124H-CI01011
ICK16	8-759-107-86	s	IC CXD1038G
ICK19	8-752-322-09	s	IC CXK5814P-35L
ICK20	8-759-001-39	s	IC MC74HC164N
ICK21	8-752-304-30	s	IC CX23043
ICK22	8-759-004-80	s	IC MC74HCT374N
ICK23	8-759-774-96	s	IC MB7124H-CI01011
ICK25	8-759-107-86	s	IC CXD1038G
ICK28	8-752-322-09	s	IC CXK5814P-35L
ICK29	8-759-001-39	s	IC MC74HC164N
ICK30	8-752-304-30	s	IC CX23043
ICK31	8-759-004-80	s	IC MC74HCT374N
ICK32	8-759-774-96	s	IC MB7124H-CI01011
ICK35	8-759-107-86	s	IC CXD1038G
ICK37	8-752-322-09	s	IC CXK5814P-35L
ICL2	8-759-904-38	s	IC SN74ALS32N
ICL3	8-759-790-36	s	IC VP16V8E-CI01131
ICL4	8-759-202-75	s	IC TC74HCT04P
ICL5	8-759-918-33	s	IC CX20160
ICL6	8-759-918-33	s	IC CX20160
ICL7	8-759-004-80	s	IC MC74HCT374N
ICL8	8-759-913-63	s	IC SN74ALS374N
ICL9	8-759-913-63	s	IC SN74ALS374N
ICL10	8-759-000-99	s	IC MC74HC74N
ICL11	8-759-904-38	s	IC SN74ALS32N
ICL12	8-759-790-36	s	IC VP16V8E-CI01131
ICL13	8-759-202-75	s	IC TC74HCT04P
ICL14	8-759-918-33	s	IC CX20160
ICL15	8-759-918-33	s	IC CX20160
ICL16	8-759-004-80	s	IC MC74HCT374N
ICL17	8-759-913-63	s	IC SN74ALS374N
ICL18	8-759-913-63	s	IC SN74ALS374N
ICL19	8-759-000-99	s	IC MC74HC74N
ICL20	8-759-904-38	s	IC SN74ALS32N
ICL21	8-759-790-36	s	IC VP16V8E-CI01131
ICL22	8-759-202-75	s	IC TC74HCT04P
ICL23	8-759-918-33	s	IC CX20160
ICL24	8-759-918-33	s	IC CX20160
ICL25	8-759-004-80	s	IC MC74HCT374N
ICL26	8-759-913-63	s	IC SN74ALS374N
ICL27	8-759-913-63	s	IC SN74ALS374N
ICL28	8-759-000-99	s	IC MC74HC74N
ICL29	8-759-904-38	s	IC SN74ALS32N
ICL30	8-759-790-36	s	IC VP16V8E-CI01131
ICL31	8-759-202-75	s	IC TC74HCT04P
ICL32	8-759-918-33	s	IC CX20160
ICL33	8-759-918-33	s	IC CX20160
ICL34	8-759-004-80	s	IC MC74HCT374N
ICL35	8-759-913-63	s	IC SN74ALS374N
ICL36	8-759-913-63	s	IC SN74ALS374N

(CI-01 BOARD, DVPC-1000)

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICL37	8-759-000-99	s	IC MC74HC74N
JS1	1-561-832-00	s	SOCKET, SHORT
JS2	1-561-832-00	s	SOCKET, SHORT
JS3	1-561-832-00	s	SOCKET, SHORT
JS4	1-561-832-00	s	SOCKET, SHORT
JS5	1-561-832-00	s	SOCKET, SHORT
JS6	1-561-832-00	s	SOCKET, SHORT
JS7	1-561-832-00	s	SOCKET, SHORT
JS8	1-561-832-00	s	SOCKET, SHORT
JS9	1-561-832-00	s	SOCKET, SHORT
JS10	1-561-832-00	s	SOCKET, SHORT
L1	1-421-370-00	s	COIL, CHOKE
L2	1-421-370-00	s	COIL, CHOKE
L3	1-421-370-00	s	COIL, CHOKE
L4	1-421-370-00	s	COIL, CHOKE
RB1	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB2	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB3	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB4	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB5	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB6	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB7	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB8	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB9	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB10	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB11	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB12	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB13	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB14	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB15	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB16	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB17	1-231-410-00	s	RESISTOR BLOCK, 10KX8
SW101	1-570-623-11	s	SWITCH, DIP 4CKT
X1	1-527-828-00	s	CRYSTAL 12.000MHz

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

CI-01 BOARD, DVPC-1000

#10701 & UP (J)
#21001 & UP (UC)
#11001 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6019-014-B	o	COMPLETE PCB, CI-01

(This assembly includes the following parts.)

Ref. No. or Qty	Part No.	SP	Description
1pcs	3-715-724-31	o	LABEL (2), SERIAL NUMBER
2pcs	3-673-249-00	o	LEVER, PC BOARD
2pcs	7-621-775-10	s	SCREW, +B 2.6X4
2pcs	7-626-320-11	o	PIN, SPRING 3X8
2pcs	7-628-254-20	s	SCREW +PSW 2.6X8
6pc	7-628-254-40	s	SCREW, +PS 2X10
21pcs	7-628-254-10	s	SCREW, +PSW 2.6X6
C5	1-131-349-00	s	CAP, TANT 2.2uF 10% 35V
C6	1-131-349-00	s	CAP, TANT 2.2uF 10% 35V
CN4	1-563-391-11	o	PIN, CONNECTOR 20P
CN5	1-566-385-11	s	PIN, SHORT
CN6	1-566-385-11	s	PIN, SHORT
CN7	1-566-385-11	s	PIN, SHORT
CN101M	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103M	1-506-746-11	s	RECEP, DIN 48P, MALE
D1	8-719-404-07	s	DIODE LN45YP
D2	8-719-404-07	s	DIODE LN45YP
F1	▲ 1-576-031-11	s	FUSE, MICRO 10A
F2	▲ 1-576-031-11	s	FUSE, MICRO 10A
ICA1	8-759-202-86	s	IC TC74HC123P
ICA2	8-759-202-93	s	IC TC74HC153P
ICA3	8-759-774-42	s	IC MB7232RA-CI01111
ICA4	8-759-912-48	s	IC SN74ALS874NT
ICA5	8-759-912-48	s	IC SN74ALS874NT
ICA7	8-759-912-48	s	IC SN74ALS874NT
ICA8	8-759-912-48	s	IC SN74ALS874NT
ICA9	8-759-912-48	s	IC SN74ALS874NT
ICA10	8-759-912-48	s	IC SN74ALS874NT
ICA11	8-759-913-63	s	IC SN74ALS374N
ICA12	8-759-004-80	s	IC MC74HCT374N
ICA14	8-759-903-99	s	IC SN74LS399N
ICA15	8-759-112-25	s	IC uPD4361C-45
ICA16	8-759-112-25	s	IC uPD4361C-45
ICA17	8-759-112-25	s	IC uPD4361C-45
ICA18	8-759-112-25	s	IC uPD4361C-45
ICA19	8-759-112-25	s	IC uPD4361C-45
ICA21	8-759-112-25	s	IC uPD4361C-45
ICA22	8-759-112-25	s	IC uPD4361C-45
ICA23	8-759-112-25	s	IC uPD4361C-45
ICA24	8-759-112-25	s	IC uPD4361C-45
ICA25	8-759-112-25	s	IC uPD4361C-45
ICA27	8-759-780-23	s	IC MBM27C512-CI01341
ICA29	8-759-780-22	s	IC MBM27C512-CI01351
ICA30	8-759-103-88	s	IC uPD82C43CY
ICA32	8-759-103-88	s	IC uPD82C43CY
ICA33	8-759-794-54	s	IC PAL16R4B-CI01291
ICA35	8-759-794-53	s	IC PAL16R8B-CI01281
ICA38	8-759-983-36	s	IC MBL8742H-CI013314
ICB2	8-759-774-48	s	IC MB7128H-CI01101
ICB3	8-759-004-84	s	IC MC74HC597N
ICB4	8-759-004-84	s	IC MC74HC597N
ICB5	8-759-903-99	s	IC SN74LS399N
ICB7	8-759-202-24	s	IC TC74HC86P
ICB8	8-759-202-24	s	IC TC74HC86P
ICB9	8-759-900-08	s	IC SN74LS08N
ICB10	8-759-989-69	s	IC SN74LS86AN
ICB12	8-759-916-07	s	IC CX23038
ICB14	8-759-903-99	s	IC SN74LS399N
ICB15	8-759-903-99	s	IC SN74LS399N
ICB16	8-759-004-80	s	IC MC74HCT374N
ICB17	8-759-004-80	s	IC MC74HCT374N
ICB18	8-759-903-99	s	IC SN74LS399N
ICB19	8-759-900-32	s	IC SN74LS32N
ICB21	8-759-902-94	s	IC SN74LS590N
ICB24	8-759-004-80	s	IC MC74HCT374N
ICB25	8-759-004-80	s	IC MC74HCT374N
ICB27	8-759-202-31	s	IC TC74HC162P
ICB28	8-759-902-94	s	IC SN74LS590N
ICB29	8-759-902-94	s	IC SN74LS590N

(CI-01 BOARD, DVPC-1000)

#10701 & UP (J)
#21001 & UP (UC)
#11001 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICB30	8-759-202-75	s	IC TC74HCT04P
ICB31	8-759-902-94	s	IC SN74LS590N
ICB32	8-759-902-94	s	IC SN74LS590N
ICB33	8-759-796-57	s	IC GAL16V8-CI01431
ICB35	8-759-913-63	s	IC SN74ALS374N
ICB36	8-759-913-63	s	IC SN74ALS374N
ICB37	8-759-103-88	s	IC uPD82C43CY
ICC2	8-759-203-36	s	IC TC74HC374P
ICC3	8-759-918-33	s	IC CX20160
ICC4	8-759-794-56	s	IC PAL16R8B-CI01311
ICC5	8-759-004-80	s	IC MC74HCT374N
ICC7	8-759-775-03	s	IC MB7116H-CI01121
ICC8	8-759-203-62	s	IC TC74HC4002P
ICC9	8-759-794-57	s	IC PAL16R8B-CI01321
ICC10	8-759-903-99	s	IC SN74LS399N
ICC22	8-759-775-40	s	IC MBM27C32-CI01041
ICC36	8-759-912-08	s	IC SN74HC02N
ICC38	8-759-916-29	s	IC SN74HC74N
ICD11	8-759-202-24	s	IC TC74HC86P
ICD12	8-759-202-74	s	IC TC74HC04P
ICD14	8-759-203-36	s	IC TC74HC374P
ICD15	8-759-203-36	s	IC TC74HC374P
ICD16	8-759-203-61	s	IC TC74HC688P
ICD17	8-759-794-52	s	IC PAL16L8B-CI01272
ICD18	8-759-203-36	s	IC TC74HC374P
ICD19	8-759-794-51	s	IC PAL16R8B-CI01262
ICD21	8-759-903-74	s	IC SN74LS374N
ICD25	8-759-001-39	s	IC MC74HC164N
ICD27	8-759-202-32	s	IC TC74HC163P
ICD28	8-759-901-63	s	IC SN74LS163AN
ICD29	8-759-004-80	s	IC MC74HCT374N
ICD30	8-759-777-30	s	IC MBM27C32-CI01022
ICD32	8-759-777-29	s	IC MBM27C32-CI01032
ICD34	8-752-304-30	s	IC CX23043
ICD35	8-759-203-61	s	IC TC74HC688P
ICD36	8-759-202-11	s	IC TC74HC00P
ICD37	8-759-203-54	s	IC TC74HC640P
ICE2	8-759-004-80	s	IC MC74HCT374N
ICE3	8-759-001-63	s	IC MC74HC595N
ICE4	8-759-794-55	s	IC PAL16R8B-CI01301
ICE7	8-759-786-58	s	IC MBM27C256A-CI01091
ICE8	8-759-912-48	s	IC SN74ALS874NT
ICE9	8-759-912-48	s	IC SN74ALS874NT
ICE10	8-759-912-48	s	IC SN74ALS874NT
ICE11	8-759-004-80	s	IC MC74HCT374N
ICE12	8-759-203-36	s	IC TC74HC374P
ICE14	8-759-203-36	s	IC TC74HC374P
ICE15	8-759-004-80	s	IC MC74HCT374N
ICE16	8-759-203-36	s	IC TC74HC374P
ICE17	8-759-203-36	s	IC TC74HC374P
ICE18	8-759-203-36	s	IC TC74HC374P
ICE19	8-759-004-80	s	IC MC74HCT374N
ICE21	8-759-203-36	s	IC TC74HC374P
ICE22	8-759-203-36	s	IC TC74HC374P
ICE23	8-759-004-80	s	IC MC74HCT374N
ICE24	8-759-203-36	s	IC TC74HC374P
ICE25	8-759-203-36	s	IC TC74HC374P
ICE27	8-759-902-40	s	IC SN74LS240N
ICE28	8-759-902-40	s	IC SN74LS240N
ICE29	8-759-904-80	s	IC 74F04PC
ICE30	8-759-904-81	s	IC 74F08PC
ICE31	8-759-900-04	s	IC SN74LS04N
ICE32	8-759-001-39	s	IC MC74HC164N
ICE33	8-759-202-32	s	IC TC74HC163P
ICE35	8-759-900-04	s	IC SN74LS04N
ICE36	8-759-916-65	s	IC SN74HC240N
ICE37	8-759-916-65	s	IC SN74HC240N
ICF2	8-759-900-00	s	IC SN74LS00N
ICF3	8-759-001-63	s	IC MC74HC595N

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(CI-01 BOARD, DVPC-1000)

#10701 & UP (J)
#21001 & UP (UC)
#11001 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICF4	8-759-202-32	s	IC TC74HC163P
ICF7	8-759-793-83	s	IC PAL16L8B-CI01141
ICF8	8-759-793-83	s	IC PAL16L8B-CI01141
ICF9	8-759-793-83	s	IC PAL16L8B-CI01141
ICF10	8-759-793-83	s	IC PAL16L8B-CI01141
ICF11	8-752-326-64	s	IC CXK5464PN-55L
ICF12	8-752-326-64	s	IC CXK5464PN-55L
ICF14	8-759-902-94	s	IC SN74LS590N
ICF15	8-752-326-64	s	IC CXK5464PN-55L
ICF16	8-752-326-64	s	IC CXK5464PN-55L
ICF17	8-759-902-94	s	IC SN74LS590N
ICF18	8-759-794-49	s	IC PAL16L8B-CI01241
ICF19	8-752-326-64	s	IC CXK5464PN-55L
ICF21	8-752-326-64	s	IC CXK5464PN-55L
ICF22	8-759-902-94	s	IC SN74LS590N
ICF23	8-752-326-64	s	IC CXK5464PN-55L
ICF24	8-752-326-64	s	IC CXK5464PN-55L
ICF25	8-759-902-94	s	IC SN74LS590N
ICF27	8-759-803-70	s	IC LC74HC08
ICF28	8-759-946-64	s	IC SN74ALS04BN
ICF29	8-759-904-18	s	IC SN74ALS00AN
ICF30	8-759-900-04	s	IC SN74LS04N
ICF31	8-759-900-08	s	IC SN74LS08N
ICF32	8-759-913-63	s	IC SN74ALS374N
ICF33	8-759-913-63	s	IC SN74ALS374N
ICF34	8-759-913-63	s	IC SN74ALS374N
ICG2	8-752-304-30	s	IC CX23043
ICG3	8-752-304-30	s	IC CX23043
ICG4	8-752-304-30	s	IC CX23043
ICG6	8-752-304-30	s	IC CX23043
ICG35	8-759-926-32	s	IC AM26LS32PC
ICH2	8-759-796-62	s	IC GAL16V8-CI01422
ICH3	8-759-796-61	s	IC GAL16V8-CI01412
ICH4	8-759-796-60	s	IC GAL16V8-CI01402
ICH5	8-759-796-59	s	IC GAL16V8-CI01392
ICH7	8-759-793-83	s	IC PAL16L8B-CI01141
ICH8	8-759-793-83	s	IC PAL16L8B-CI01141
ICH9	8-759-793-83	s	IC PAL16L8B-CI01141
ICH10	8-759-793-83	s	IC PAL16L8B-CI01141
ICH11	8-759-203-36	s	IC TC74HC374P
ICH12	8-759-794-48	s	IC PAL16R6B-CI01231
ICH14	8-759-004-80	s	IC MC74HCT374N
ICH15	8-759-203-36	s	IC TC74HC374P
ICH16	8-759-794-47	s	IC PAL16R6B-CI01221
ICH17	8-759-004-80	s	IC MC74HCT374N
ICH18	8-759-202-75	s	IC TC74HCT04P
ICH19	8-759-203-36	s	IC TC74HC374P
ICH21	8-759-794-46	s	IC PAL16R6B-CI01211
ICH22	8-759-004-80	s	IC MC74HCT374N
ICH23	8-759-203-36	s	IC TC74HC374P
ICH24	8-759-794-45	s	IC PAL16R6B-CI01201
ICH25	8-759-004-80	s	IC MC74HCT374N
ICH27	8-759-902-40	s	IC SN74LS240N
ICH28	8-759-803-70	s	IC LC74HC08
ICH29	8-759-946-64	s	IC SN74ALS04BN
ICH30	8-759-900-67	s	IC SN74ALS02N
ICH31	8-759-902-40	s	IC SN74LS240N
ICH32	8-759-913-63	s	IC SN74ALS374N
ICH33	8-759-913-63	s	IC SN74ALS374N
ICH34	8-759-913-63	s	IC SN74ALS374N
ICH35	8-759-913-63	s	IC SN74ALS374N
ICJ2	8-759-917-52	s	IC 74F138PC
ICJ3	8-759-794-66	s	IC PAL16R8B-CI01383
ICJ4	8-759-203-36	s	IC TC74HC374P
ICJ5	8-759-004-80	s	IC MC74HCT374N
ICJ10	8-752-322-09	s	IC CXK5814P-35L
ICJ11	8-759-917-52	s	IC 74F138PC
ICJ12	8-759-794-66	s	IC PAL16R8B-CI01383
ICJ13	8-759-203-36	s	IC TC74HC374P
ICJ14	8-759-004-80	s	IC MC74HCT374N

(CI-01 BOARD, DVPC-1000)

#10701 & UP (J)
#21001 & UP (UC)
#11001 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICJ19	8-752-322-09	s	IC CXK5814P-35L
ICJ20	8-759-917-52	s	IC 74F138PC
ICJ21	8-759-794-66	s	IC PAL16R8B-CI01383
ICJ22	8-759-203-36	s	IC TC74HC374P
ICJ23	8-759-004-80	s	IC MC74HCT374N
ICJ28	8-752-322-09	s	IC CXK5814P-35L
ICJ29	8-759-917-52	s	IC 74F138PC
ICJ30	8-759-794-66	s	IC PAL16R8B-CI01383
ICJ31	8-759-203-36	s	IC TC74HC374P
ICJ32	8-759-004-80	s	IC MC74HCT374N
ICJ37	8-752-322-09	s	IC CXK5814P-35L
ICK2	8-759-794-59	s	IC GAL16V8-CI01011
ICK3	8-752-304-30	s	IC CX23043
ICK4	8-759-004-80	s	IC MC74HCT374N
ICK5	8-759-774-96	s	IC MB7124H-CI01011
ICK7	8-759-107-86	s	IC CXD1038G
ICK10	8-752-322-09	s	IC CXK5814P-35L
ICK11	8-759-794-59	s	IC GAL16V8-CI01011
ICK12	8-752-304-30	s	IC CX23043
ICK13	8-759-004-80	s	IC MC74HCT374N
ICK14	8-759-774-96	s	IC MB7124H-CI01011
ICK16	8-759-107-86	s	IC CXD1038G
ICK19	8-752-322-09	s	IC CXK5814P-35L
ICK20	8-759-794-59	s	IC GAL16V8-CI01011
ICK21	8-752-304-30	s	IC CX23043
ICK22	8-759-004-80	s	IC MC74HCT374N
ICK23	8-759-774-96	s	IC MB7124H-CI01011
ICK25	8-759-107-86	s	IC CXD1038G
ICK28	8-752-322-09	s	IC CXK5814P-35L
ICK29	8-759-794-59	s	IC GAL16V8-CI01011
ICK30	8-752-304-30	s	IC CX23043
ICK31	8-759-004-80	s	IC MC74HCT374N
ICK32	8-759-774-96	s	IC MB7124H-CI01011
ICK35	8-759-107-86	s	IC CXD1038G
ICK37	8-752-322-09	s	IC CXK5814P-35L
ICL2	8-759-904-38	s	IC SN74ALS32N
ICL3	8-759-796-58	s	IC GAL16V8-CI01362
ICL4	8-759-902-94	s	IC SN74LS590N
ICL5	8-759-918-33	s	IC CX20160
ICL6	8-759-918-33	s	IC CX20160
ICL7	8-759-004-80	s	IC MC74HCT374N
ICL8	8-759-913-63	s	IC SN74ALS374N
ICL9	8-759-913-63	s	IC SN74ALS374N
ICL10	8-759-202-75	s	IC TC74HCT04P
ICL11	8-759-904-38	s	IC SN74ALS32N
ICL12	8-759-796-58	s	IC GAL16V8-CI01362
ICL13	8-759-902-94	s	IC SN74LS590N
ICL14	8-759-918-33	s	IC CX20160
ICL15	8-759-918-33	s	IC CX20160
ICL16	8-759-004-80	s	IC MC74HCT374N
ICL17	8-759-913-63	s	IC SN74ALS374N
ICL18	8-759-913-63	s	IC SN74ALS374N
ICL19	8-759-202-75	s	IC TC74HCT04P
ICL20	8-759-904-38	s	IC SN74ALS32N
ICL21	8-759-796-58	s	IC GAL16V8-CI01362
ICL22	8-759-902-94	s	IC SN74LS590N
ICL23	8-759-918-33	s	IC CX20160
ICL24	8-759-918-33	s	IC CX20160
ICL25	8-759-004-80	s	IC MC74HCT374N
ICL26	8-759-913-63	s	IC SN74ALS374N
ICL27	8-759-913-63	s	IC SN74ALS374N
ICL28	8-759-202-75	s	IC TC74HCT04P
ICL29	8-759-904-38	s	IC SN74ALS32N
ICL30	8-759-796-58	s	IC GAL16V8-CI01362
ICL31	8-759-902-94	s	IC SN74LS590N
ICL32	8-759-918-33	s	IC CX20160
ICL33	8-759-918-33	s	IC CX20160
ICL34	8-759-004-80	s	IC MC74HCT374N
ICL35	8-759-913-63	s	IC SN74ALS374N
ICL36	8-759-913-63	s	IC SN74ALS374N

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(CI-01 BOARD, DVPC-1000)

#10701 & UP (J)
#21001 & UP (UC)
#11001 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICL37	8-759-202-75	s	IC TC74HCT04P
JS1	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS2	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS3	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS4	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS5	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS6	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS7	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS8	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS9	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS10	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
L1	1-421-370-00	s	COIL, CHOKE
L2	1-421-370-00	s	COIL, CHOKE
L3	1-421-370-00	s	COIL, CHOKE
L4	1-421-370-00	s	COIL, CHOKE
RB1	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB2	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB3	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB4	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB5	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB6	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB7	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB8	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB9	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB10	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB11	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB12	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB13	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB14	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB15	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB16	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB17	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB18	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB19	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB20	1-231-410-00	s	RESISTOR BLOCK, 10KX8
SW101	1-570-623-11	s	SWITCH, DIP 4CKT
X1	1-527-828-00	s	CRYSTAL 12.000MHz

CN-159 BOARD, DVPC-1000

Ref. No. or Qty	Part No.	SP	Description
1pc	1-620-938-11	o	PC BOARD, CN-159 WITHOUT COMPONENT
1pc	7-621-775-10	s	SCREW +B 2.6×4

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

CN-190 BOARD, DVPC-1000

Ref. No. or Qty	Part No.	SP	Description
1pc	1-621-345-11	o	PC BOARD, CN-190 WITHOUT COMPONENT
C1	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C2	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C3	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C4	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C5	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C6	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C7	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C8	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C9	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C10	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C11	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C12	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C13	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C14	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C15	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C16	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C17	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C18	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C19	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C20	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C21	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C22	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C23	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C24	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C25	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C26	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C27	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C28	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C29	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C30	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V

CN-227 BOARD, DVPC-1000

Ref. No. or Qty	Part No.	SP	Description
1pc	1-623-256-12	o	PC BOARD, CN-227 WITHOUT COMPONENT
C31	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C32	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C33	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C34	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C35	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C36	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V
C37	1-162-806-11	s	CAP, CERAMIC 0.1uF 10% 50V

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

DP-60 BOARD, DVPC-1000

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6025-109-A	o	COMPLETE PCB, DP-60

(This assembly includes the following parts.)

Ref. No. or Qty	Part No.	SP	Description
C1	1-161-379-00	s	CAP, CERAMIC 0.01uF 20% 25V
C2	1-124-462-00	s	CAP, ELECT 10uF 20% 16V
C3	1-161-379-00	s	CAP, CERAMIC 0.01uF 20% 25V
C4	1-161-379-00	s	CAP, CERAMIC 0.01uF 20% 25V
C5	1-161-379-00	s	CAP, CERAMIC 0.01uF 20% 25V
C6	1-161-379-00	s	CAP, CERAMIC 0.01uF 20% 25V
C7	1-161-379-00	s	CAP, CERAMIC 0.01uF 20% 25V
CN015M	1-560-726-00	o	RECEP, 20P, MALE
CN019M	1-560-300-00	o	RECEP, IL 3P, MALE
D1	8-719-907-43	s	DIODE LD-701GG
D2	8-719-907-43	s	DIODE LD-701GG
D3	8-719-907-43	s	DIODE LD-701GG
D4	8-719-907-43	s	DIODE LD-701GG
D5	8-719-907-43	s	DIODE LD-701GG
D6	8-719-907-43	s	DIODE LD-701GG
D7	8-719-907-43	s	DIODE LD-701GG
D8	8-719-907-43	s	DIODE LD-701GG
D9	8-719-907-43	s	DIODE LD-701GG
D10	8-719-907-43	s	DIODE LD-701GG
D11	8-719-919-96	s	DIODE LD-101MG-J
D12	8-719-940-87	s	DIODE LD-101VR
D13	8-719-919-96	s	DIODE LD-101MG-J
D14	8-719-940-87	s	DIODE LD-101VR
D15	8-719-919-96	s	DIODE LD-101MG-J
D16	8-719-940-87	s	DIODE LD-101VR
D17	8-719-919-96	s	DIODE LD-101MG-J
D18	8-719-940-87	s	DIODE LD-101VR
D19	8-719-919-96	s	DIODE LD-101MG-J
D20	8-719-940-87	s	DIODE LD-101VR
D21	8-719-919-96	s	DIODE LD-101MG-J
D22	8-719-940-87	s	DIODE LD-101VR
F1	⚠ 1-576-031-11	s	FUSE, MICRO 10A
IC1	8-759-902-44	s	IC SN74LS244N
IC2	8-759-902-44	s	IC SN74LS244N
IC3	8-759-902-44	s	IC SN74LS244N
IC4	8-759-902-44	s	IC SN74LS244N
IC5	8-759-902-44	s	IC SN74LS244N
IC6	8-759-902-44	s	IC SN74LS244N
IC7	8-759-903-74	s	IC SN74LS374N
IC8	8-759-903-74	s	IC SN74LS374N
IC9	8-759-903-74	s	IC SN74LS374N
IC10	8-759-901-39	s	IC SN74LS139N
R1	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R2	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R3	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R4	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R5	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R6	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R7	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R8	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R9	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R10	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R11	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R12	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R13	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R14	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R15	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R16	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R17	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R18	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R19	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R20	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R21	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R22	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R23	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R24	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R25	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R26	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R27	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R28	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R29	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R30	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R31	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R32	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R33	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R34	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R35	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R36	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R37	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R38	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R39	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R40	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R41	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R42	1-249-410-11	s	RES, CARBON 270 5% 1/6W
R43	1-249-410-11	s	RES, CARBON 270 5% 1/6W

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

DS-18 BOARD, DVPC-1000

Ref. No. or Qty	Part No.	SP	Description
1pc	1-620-936-11	o	PC BOARD, DS-18 WITHOUT COMPONENT
CN401M	1-560-727-00	o	RECEP, 26P, MALE
CN655F	1-563-826-11	s	RECEP, D-SUB 15P, FEMALE
CN656F	1-563-826-11	s	RECEP, D-SUB 15P, FEMALE
CN657F	1-563-826-11	s	RECEP, D-SUB 15P, FEMALE

FM-09 BOARD, DVPC-1000

#10001 TO 10599 (J)
#10001 TO 10899 (UC)
#10001 TO 10899 (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6019-013-A	o	COMPLETE PCB, FM-09

(This assembly includes the following parts.)

Ref. No. or Qty	Part No.	SP	Description
1pc	3-715-724-21	o	LABEL (2), SERIAL NUMBER
2pcs	3-673-249-00	o	LEVER, PC BOARD
2pcs	7-621-775-10	s	SCREW, +B 2.6X4
2pcs	7-626-320-11	o	PIN, SPRING 3X8
2pcs	7-628-254-20	s	SCREW, +PSW, 2.6X8
6pcs	7-628-253-40	s	SCREW +PS 2X10
21pcs	7-628-254-10	s	SCREW, +PSW 2.6X6
C102	1-102-108-00	s	CAP, CERAMIC 150PF 10% 50V
CN5	1-560-733-00	s	PIN, SHORT
CN6	1-560-733-00	s	PIN, SHORT
CN7	1-560-733-00	s	PIN, SHORT
CN8	1-560-733-00	s	PIN, SHORT
CN9	1-560-733-00	s	PIN, SHORT
CN10	1-560-733-00	s	PIN, SHORT
CN11	1-560-733-00	s	PIN, SHORT
CN12	1-560-733-00	s	PIN, SHORT
CN13	1-560-733-00	s	PIN, SHORT
CN21	1-560-733-00	s	PIN, SHORT
CN22	1-560-733-00	s	PIN, SHORT
CN23	1-560-733-00	s	PIN, SHORT
CN101M	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103M	1-506-746-11	s	RECEP, DIN 48P, MALE
D1	8-719-404-07	s	DIODE LN45YP
D2	8-719-404-07	s	DIODE LN45YP
F1	⚠ 1-532-926-12	s	FUSE, MICRO 10A
F2	⚠ 1-532-926-12	s	FUSE, MICRO 10A
ICA1	8-759-004-80	s	IC MC74HCT374N
ICA2	8-759-903-77	s	IC SN74LS377N
ICA3	8-759-790-71	s	IC VP16V8E-FM09261
ICA4	8-759-777-41	s	IC VP16V8E-FM09232
ICA5	8-759-790-69	s	IC VP16V8E-FM09241
ICA6	8-759-778-01	s	IC VP16V8E-FM09272
ICA7	8-759-790-73	s	IC VP16V8E-FM09282
ICA8	8-759-004-80	s	IC MC74HCT374N
ICA9	8-759-004-80	s	IC MC74HCT374N
ICA10	8-759-903-77	s	IC SN74LS377N
ICA11	8-759-790-70	s	IC VP16V8E-FM09251
ICA12	8-759-777-41	s	IC VP16V8E-FM09232
ICA13	8-759-790-69	s	IC VP16V8E-FM09241
ICA14	8-759-778-01	s	IC VP16V8E-FM09272
ICA15	8-759-790-73	s	IC VP16V8E-FM09282
ICA16	8-759-004-80	s	IC MC74HCT374N
ICA17	8-759-916-07	s	IC CX23038
ICA19	8-759-900-32	s	IC SN74LS32N
ICA20	8-759-901-64	s	IC SN74LS164N
ICA23	8-752-304-30	s	IC CX23043
ICA26	8-752-304-30	s	IC CX23043
ICA27	8-759-790-74	s	IC VP16V8E-FM09291
ICA28	8-759-004-80	s	IC MC74HCT374N
ICA29	8-759-112-21	s	IC uPD4314C-35
ICA30	8-752-322-09	s	IC CXK5814P-35L
ICA31	8-759-004-80	s	IC MC74HCT374N
ICA32	8-759-203-36	s	IC TC74HC374P
ICA33	8-759-904-87	s	IC 74F374PC
ICB1	8-759-202-55	s	IC TC74HC244P
ICB2	8-759-775-28	s	IC MBM27C256-FM09041
ICB4	8-759-775-29	s	IC MBM27C256-FM09051
ICB5	8-759-775-30	s	IC MBM27C256-FM09061
ICB7	8-759-004-80	s	IC MC74HCT374N
ICB8	8-759-004-80	s	IC MC74HCT374N
ICB9	8-759-775-27	s	IC MBM27C256-FM09031
ICB11	8-759-775-29	s	IC MBM27C256-FM09051
ICB12	8-759-775-30	s	IC MBM27C256-FM09061
ICB13	8-759-004-80	s	IC MC74HCT374N
ICB14	8-759-004-80	s	IC MC74HCT374N
ICB15	8-759-203-16	s	IC TC74HCT244P
ICB16	8-759-203-68	s	IC TC74HC4040P
ICB17	8-759-203-68	s	IC TC74HC4040P
ICB18	8-759-203-68	s	IC TC74HC4040P
ICB19	8-759-203-68	s	IC TC74HC4040P

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(FM-09 BOARD, DVPC-1000)

#10001 TO 10599 (J)
#10001 TO 10899 (UC)
#10001 TO 10899 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICB20	8-759-901-64	s	IC SN74LS164N
ICB21	8-759-900-32	s	IC SN74LS32N
ICB22	8-759-777-42	s	IC VP16V8E-FM09412
ICB23	8-759-790-87	s	IC VP16V8E-FM09421
ICB24	8-759-793-09	s	IC VP16V8E-FM09434
ICB25	8-759-202-26	s	IC TC74HC138P
ICB26	8-759-790-85	s	IC VP16V8E-FM09401
ICB27	8-759-790-74	s	IC VP16V8E-FM09291
ICB28	8-759-004-80	s	IC MC74HCT374N
ICB29	8-752-322-09	s	IC CXK5814P-35L
ICB30	8-759-112-21	s	IC uPD4314C-35
ICB31	8-759-004-80	s	IC MC74HCT374N
ICB32	8-759-203-36	s	IC TC74HC374P
ICB33	8-759-904-87	s	IC 74F374PC
ICC1	8-759-202-55	s	IC TC74HC244P
ICC2	8-759-004-80	s	IC MC74HCT374N
ICC3	8-759-790-79	s	IC VP16V8E-FM09341
ICC4	8-759-903-99	s	IC SN74LS399N
ICC5	8-752-304-30	s	IC CX23043
ICC6	8-752-304-30	s	IC CX23043
ICC7	8-759-004-80	s	IC MC74HCT374N
ICC8	8-759-790-78	s	IC VP16V8E-FM09331
ICC9	8-759-903-99	s	IC SN74LS399N
ICC10	8-752-304-30	s	IC CX23043
ICC11	8-752-304-30	s	IC CX23043
ICC12	8-759-904-14	s	IC SN74ALS04AN
ICC13	8-759-774-65	s	IC MB7138HSK-FM09101
ICC14	8-759-774-66	s	IC MB7138HSK-FM09111
ICC15	8-759-774-67	s	IC MB7138HSK-FM09121
ICC16	8-759-203-36	s	IC TC74HC374P
ICC17	8-759-203-36	s	IC TC74HC374P
ICC18	8-759-203-36	s	IC TC74HC374P
ICC19	8-759-203-36	s	IC TC74HC374P
ICC20	8-759-904-18	s	IC SN74ALS00AN
ICC21	8-759-904-14	s	IC SN74ALS04AN
ICC22	8-759-904-18	s	IC SN74ALS00AN
ICC23	8-759-904-79	s	IC 74F00PC
ICC24	8-759-004-82	s	IC MC74HCT534N
ICC27	8-759-777-57	s	IC MBL8742H-FM090111
ICC28	8-759-913-63	s	IC SN74ALS374N
ICC29	8-759-913-63	s	IC SN74ALS374N
ICC30	8-759-912-48	s	IC SN74ALS874NT
ICC31	8-759-004-80	s	IC MC74HCT374N
ICC32	8-759-912-48	s	IC SN74ALS874NT
ICC33	8-759-904-87	s	IC 74F374PC
ICD1	8-759-790-67	s	IC VP16V8E-FM09221
ICD2	8-759-790-66	s	IC VP16V8E-FM09211
ICD3	8-759-790-66	s	IC VP16V8E-FM09211
ICD4	8-759-790-66	s	IC VP16V8E-FM09211
ICD5	8-759-790-66	s	IC VP16V8E-FM09211
ICD6	8-759-790-66	s	IC VP16V8E-FM09211
ICD7	8-759-790-67	s	IC VP16V8E-FM09221
ICD8	8-759-790-66	s	IC VP16V8E-FM09211
ICD9	8-759-790-66	s	IC VP16V8E-FM09211
ICD10	8-759-790-66	s	IC VP16V8E-FM09211
ICD11	8-759-790-66	s	IC VP16V8E-FM09211
ICD12	8-759-790-66	s	IC VP16V8E-FM09211
ICD13	8-759-790-74	s	IC VP16V8E-FM09291
ICD14	8-752-304-30	s	IC CX23043
ICD15	8-752-304-30	s	IC CX23043
ICD16	8-759-908-71	s	IC SN74ALS244AN
ICD17	8-759-902-40	s	IC SN74LS240N
ICD18	8-759-901-09	s	IC SN74ALS109AN
ICD19	8-759-901-09	s	IC SN74ALS109AN
ICD20	8-759-904-81	s	IC 74F08PC
ICD21	8-759-202-75	s	IC TC74HCT04P
ICD22	8-759-902-40	s	IC SN74LS240N
ICD23	8-759-902-44	s	IC SN74LS244N
ICD24	8-759-913-63	s	IC SN74ALS374N
ICD25	8-759-103-88	s	IC uPD82C43CY

(FM-09 BOARD, DVPC-1000)

#10001 TO 10599 (J)
#10001 TO 10899 (UC)
#10001 TO 10899 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICD28	8-759-774-70	s	IC MB7138HSK-FM09151
ICD29	8-759-774-71	s	IC MB7138HSK-FM09161
ICD30	8-759-774-72	s	IC MB7138HSK-FM09171
ICD31	8-759-926-40	s	IC SN74LS640N
ICD32	8-759-904-09	s	IC SN74LS688N
ICD33	8-759-912-12	s	IC SN74ALS240AN
ICE1	8-759-112-25	s	IC uPD4361C-45
ICE2	8-759-112-25	s	IC uPD4361C-45
ICE3	8-759-112-25	s	IC uPD4361C-45
ICE4	8-759-112-25	s	IC uPD4361C-45
ICE5	8-759-112-25	s	IC uPD4361C-45
ICE6	8-759-112-25	s	IC uPD4361C-45
ICE7	8-759-112-25	s	IC uPD4361C-45
ICE8	8-759-112-25	s	IC uPD4361C-45
ICE9	8-759-112-25	s	IC uPD4361C-45
ICE10	8-759-112-25	s	IC uPD4361C-45
ICE11	8-759-112-25	s	IC uPD4361C-45
ICE12	8-759-112-25	s	IC uPD4361C-45
ICE13	8-759-775-31	s	IC MBM27C256-FM09071
ICE15	8-759-775-32	s	IC MBM27C256-FM09081
ICE16	8-759-900-00	s	IC SN74LS00N
ICE17	8-759-775-48	s	IC MB7112H-FM09201
ICE18	8-759-906-66	s	IC 74F86PC
ICE19	8-759-904-81	s	IC 74F08PC
ICE20	8-759-901-75	s	IC SN74LS175N
ICE21	8-759-900-04	s	IC SN74LS04N
ICE22	8-759-912-12	s	IC SN74ALS240AN
ICE23	8-759-775-41	s	IC MBM27C32-FM09091
ICE25	8-759-916-07	s	IC CX23038
ICE27	8-759-916-07	s	IC CX23038
ICE28	8-759-937-48	s	IC SN74ALS157N
ICE29	8-759-937-48	s	IC SN74ALS157N
ICE30	8-759-918-33	s	IC CX20160
ICE31	8-759-902-45	s	IC SN74LS245N
ICE32	8-759-912-12	s	IC SN74ALS240AN
ICE33	8-759-926-32	s	IC AM26LS32PC
ICF1	8-759-939-50	s	IC AM2966PC
ICF2	8-759-939-50	s	IC AM2966PC
ICF3	8-759-939-50	s	IC AM2966PC
ICF4	8-759-939-50	s	IC AM2966PC
ICF5	8-759-939-50	s	IC AM2966PC
ICF6	8-759-939-50	s	IC AM2966PC
ICF7	8-759-939-50	s	IC AM2966PC
ICF8	8-759-939-50	s	IC AM2966PC
ICF9	8-759-939-50	s	IC AM2966PC
ICF10	8-759-939-50	s	IC AM2966PC
ICF11	8-759-939-50	s	IC AM2966PC
ICF12	8-759-939-50	s	IC AM2966PC
ICF13	8-759-912-07	s	IC SN74ALS163AN
ICF14	8-759-004-80	s	IC MC74HCT374N
ICF15	8-759-790-75	s	IC VP16V8E-FM09301
ICF16	8-759-917-72	s	IC 74F244PC
ICF17	8-759-902-40	s	IC SN74LS240N
ICF18	8-759-904-28	s	IC SN74ALS10N
ICF19	8-759-904-18	s	IC SN74ALS00AN
ICF21	8-759-904-18	s	IC SN74ALS00AN
ICF22	8-759-902-40	s	IC SN74LS240N
ICF23	8-759-774-49	s	IC MB7128H-FM09181
ICF24	8-752-304-30	s	IC CX23043
ICF25	8-759-790-81	s	IC VP16V8E-FM09361
ICF26	8-759-774-69	s	IC MB7138HSK-FM09141
ICF27	8-759-774-68	s	IC MB7138HSK-FM09131
ICF28	8-759-937-48	s	IC SN74ALS157N
ICF29	8-759-937-48	s	IC SN74ALS157N
ICF30	8-759-918-33	s	IC CX20160
ICF31	8-759-913-63	s	IC SN74ALS374N
ICF32	8-759-913-63	s	IC SN74ALS374N
ICG1	8-759-109-81	s	IC uPD41464C-10
ICG2	8-759-109-81	s	IC uPD41464C-10
ICG3	8-759-109-81	s	IC uPD41464C-10

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(FM-09 BOARD, DVPC-1000)

#10001 TO 10599 (J)
#10001 TO 10899 (UC)
#10001 TO 10899 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICG4	8-759-109-81	s	IC uPD41464C-10
ICG5	8-759-109-81	s	IC uPD41464C-10
ICG6	8-759-109-81	s	IC uPD41464C-10
ICG7	8-759-109-81	s	IC uPD41464C-10
ICG8	8-759-109-81	s	IC uPD41464C-10
ICG9	8-759-109-81	s	IC uPD41464C-10
ICG10	8-759-109-81	s	IC uPD41464C-10
ICG11	8-759-109-81	s	IC uPD41464C-10
ICG12	8-759-109-81	s	IC uPD41464C-10
ICG13	8-759-902-44	s	IC SN74LS244N
ICG14	8-759-790-76	s	IC VP16V8E-FM09312
ICG15	8-759-790-77	s	IC VP16V8E-FM09321
ICG16	8-759-103-88	s	IC uPD82C43CY
ICG17	8-759-904-79	s	IC 74F00PC
ICG18	8-759-203-11	s	IC TC74HCT240P
ICG19	8-759-902-57	s	IC SN74LS257AN
ICG21	8-759-902-57	s	IC SN74LS257AN
ICG22	8-759-791-29	s	IC VP16V8E-FM09393
ICG23	8-759-791-40	s	IC VP16V8E-FM09382
ICG24	8-759-790-80	s	IC VP16V8E-FM09351
ICG25	8-759-791-41	s	IC VP16V8E-FM09372
ICG26	8-759-900-67	s	IC SN74ALS02N
ICG27	8-759-906-78	s	IC 74F399PC
ICG28	8-759-906-78	s	IC 74F399PC
ICG29	8-759-906-78	s	IC 74F399PC
ICG30	8-759-904-26	s	IC SN74ALS08N
ICG31	8-759-912-48	s	IC SN74ALS874NT
ICG32	8-759-902-57	s	IC SN74LS257AN
ICH1	8-759-109-81	s	IC uPD41464C-10
ICH2	8-759-109-81	s	IC uPD41464C-10
ICH3	8-759-109-81	s	IC uPD41464C-10
ICH4	8-759-109-81	s	IC uPD41464C-10
ICH5	8-759-109-81	s	IC uPD41464C-10
ICH6	8-759-109-81	s	IC uPD41464C-10
ICH7	8-759-109-81	s	IC uPD41464C-10
ICH8	8-759-109-81	s	IC uPD41464C-10
ICH9	8-759-109-81	s	IC uPD41464C-10
ICH10	8-759-109-81	s	IC uPD41464C-10
ICH11	8-759-109-81	s	IC uPD41464C-10
ICH12	8-759-109-81	s	IC uPD41464C-10
ICH13	8-759-902-40	s	IC SN74LS240N
ICH16	8-759-202-26	s	IC TC74HC138P
ICH17	8-759-937-47	s	IC SN74ALS86N
ICH18	8-759-775-00	s	IC MB7124H-FM09191
ICH21	8-759-107-86	s	IC CXD1038G
ICH23	8-759-004-80	s	IC MC74HCT374N
ICH25	8-759-107-86	s	IC CXD1038G
ICH27	8-759-004-80	s	IC MC74HCT374N
ICH28	8-759-004-80	s	IC MC74HCT374N
ICH29	8-759-112-21	s	IC uPD4314C-35
ICH30	8-752-322-09	s	IC CXK5814P-35L
ICH31	8-759-913-63	s	IC SN74ALS374N
ICH32	8-759-913-63	s	IC SN74ALS374N
ICJ1	8-759-937-86	s	IC CX20214
ICJ2	8-759-937-86	s	IC CX20214
ICJ4	8-759-937-86	s	IC CX20214
ICJ5	8-759-937-86	s	IC CX20214
ICJ6	8-759-004-80	s	IC MC74HCT374N
ICJ7	8-759-937-86	s	IC CX20214
ICJ8	8-759-937-86	s	IC CX20214
ICJ10	8-759-937-86	s	IC CX20214
ICJ11	8-759-937-86	s	IC CX20214
ICJ12	8-759-004-80	s	IC MC74HCT374N
ICJ14	PENDING	s	IC MBL8749H-FM090216
ICJ16	8-759-103-88	s	IC uPD82C43CY
ICJ17	8-759-902-45	s	IC SN74LS245N
ICJ18	8-759-112-21	s	IC uPD4314C-35
ICJ19	8-759-112-21	s	IC uPD4314C-35
ICJ21	8-752-322-09	s	IC CXK5814P-35L
ICJ22	8-752-322-09	s	IC CXK5814P-35L

(FM-09 BOARD, DVPC-1000)

#10001 TO 10599 (J)
#10001 TO 10899 (UC)
#10001 TO 10899 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICJ23	8-759-775-00	s	IC MB7124H-FM09191
ICJ24	8-752-322-09	s	IC CXK5814P-35L
ICJ25	8-752-322-09	s	IC CXK5814P-35L
ICJ26	8-759-112-21	s	IC uPD4314C-35
ICJ27	8-759-112-21	s	IC uPD4314C-35
ICJ28	8-759-004-80	s	IC MC74HCT374N
ICJ29	8-759-112-21	s	IC uPD4314C-35
ICJ30	8-752-322-09	s	IC CXK5814P-35L
ICJ31	8-759-913-63	s	IC SN74ALS374N
ICJ32	8-759-913-63	s	IC SN74ALS374N
JS1	1-561-832-00	s	SOCKET, SHORT
JS2	1-561-832-00	s	SOCKET, SHORT
JS3	1-561-832-00	s	SOCKET, SHORT
JS4	1-561-832-00	s	SOCKET, SHORT
JS5	1-561-832-00	s	SOCKET, SHORT
JS6	1-561-832-00	s	SOCKET, SHORT
JS7	1-561-832-00	s	SOCKET, SHORT
JS8	1-561-832-00	s	SOCKET, SHORT
JS9	1-561-832-00	s	SOCKET, SHORT
JS10	1-561-832-00	s	SOCKET, SHORT
L1	1-421-370-00	s	COIL, CHOKE
L2	1-421-370-00	s	COIL, CHOKE
L3	1-421-370-00	s	COIL, CHOKE
L4	1-421-370-00	s	COIL, CHOKE
RB1	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB2	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB3	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB4	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB5	1-231-398-00	s	RESISTOR BLOCK, 270X8
RB6	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB7	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB8	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB9	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB10	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB11	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB12	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB13	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB14	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB15	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB16	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB17	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB18	1-231-398-00	s	RESISTOR BLOCK, 270X8
RB19	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB20	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB21	1-231-410-00	s	RESISTOR BLOCK, 10KX8
S1	1-570-623-11	s	SWITCH, DIP 4CKT
S2	1-570-623-11	s	SWITCH, DIP 4CKT
S3	1-570-623-11	s	SWITCH, DIP 4CKT
S4	1-553-925-00	s	SWITCH, ROTARY
S5	1-553-925-00	s	SWITCH, ROTARY
S6	1-553-925-00	s	SWITCH, ROTARY
S7	1-553-925-00	s	SWITCH, ROTARY
S8	1-553-925-00	s	SWITCH, ROTARY
S9	1-553-925-00	s	SWITCH, ROTARY

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

FM-09 BOARD, DVPC-1000

#10601 & UP (J)
#10901 & UP (UC)
#10901 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6019-013-A	o	COMPLETE PCB, FM-09
(This assembly includes the following parts.)			
2pcs	3-673-249-11	o	LEVER, PC BOARD
1pc	3-715-724-21	o	LABEL (2), SERIAL NUMBER
2pcs	7-621-775-10	s	SCREW +B 2.6X4
2pcs	7-626-320-11	o	PIN, SPRING 3X8
6pcs	7-628-253-40	s	SCREW +PS 2X10
1pc	7-628-254-00	s	SCREW +PSW 2.6X5
20pcs	7-628-254-10	s	+PSW, 2.6X6
2pcs	7-628-254-20	s	+PSW, 2.6X8
C107	1-102-108-00	s	CAP, CERAMIC 150PF 10% 50V
CN3	1-566-391-11	s	PIN, CONNECTOR 20P
CN4	1-566-391-11	s	PIN, CONNECTOR 20P
CN5	1-566-385-11	s	PIN, CONNECTOR 2P
CN6	1-566-385-11	s	PIN, CONNECTOR 2P
CN7	1-566-385-11	s	PIN, CONNECTOR 2P
CN8	1-566-385-11	s	PIN, CONNECTOR 2P
CN10	1-566-385-11	s	PIN, CONNECTOR 2P
CN11	1-566-385-11	s	PIN, CONNECTOR 2P
CN12	1-566-385-11	s	PIN, CONNECTOR 2P
CN13	1-566-385-11	s	PIN, CONNECTOR 2P
CN21	1-566-385-11	s	PIN, CONNECTOR 2P
CN22	1-566-385-11	s	PIN, CONNECTOR 2P
CN23	1-566-385-11	s	PIN, CONNECTOR 2P
CN101	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103	1-506-746-11	s	RECEP, DIN 48P, MALE
D1	8-719-404-07	s	DIODE LN45YP
D2	8-719-404-07	s	DIODE LN45YP
F1	⚠ 1-576-031-11	s	FUSE, MICRO 10A
F2	⚠ 1-576-031-11	s	FUSE, MICRO 10A
ICA1	8-759-004-80	s	IC MC74HCT374N
ICA2	8-759-903-77	s	IC SN74LS377N
ICA3	8-759-794-81	s	IC PAL16R4B-FM09261
ICA4	8-759-796-77	s	IC GAL16V8-FM09232
ICA5	8-759-793-84	s	IC PAL16R8B-FM09241
ICA6	8-759-794-82	s	IC PAL16R4B-FM09272
ICA7	8-759-794-97	s	IC PAL16L8B-FM09282
ICA8	8-759-004-80	s	IC MC74HCT374N
ICA9	8-759-004-80	s	IC MC74HCT374N
ICA10	8-759-903-77	s	IC SN74LS377N
ICA11	8-759-794-80	s	IC PAL16R4B-FM09251
ICA12	8-759-796-77	s	IC GAL16V8-FM09232
ICA13	8-759-793-84	s	IC PAL16R8B-FM09241
ICA14	8-759-794-82	s	IC PAL16R4B-FM09272
ICA15	8-759-794-97	s	IC PAL16L8B-FM09282
ICA16	8-759-004-80	s	IC MC74HCT374N
ICA17	8-759-916-07	s	IC CX23038
ICA19	8-759-900-32	s	IC SN74LS32N
ICA20	8-759-901-64	s	IC SN74LS164N
ICA23	8-752-304-30	s	IC CX23043
ICA26	8-752-304-30	s	IC CX23043
ICA27	8-759-793-85	s	IC PAL16L8B-FM09291
ICA28	8-759-004-80	s	IC MC74HCT374N
ICA29	8-752-322-12	s	IC CXK5416P-35
ICA30	8-752-322-10	s	IC CXK5814P-45L
ICA31	8-759-004-80	s	IC MC74HCT374N
ICA32	8-759-203-36	s	IC TC74HC374P
ICA33	8-759-904-87	s	IC 74F374PC
ICB1	8-759-202-55	s	IC TC74HC244P
ICB2	8-759-971-94	s	IC MBM27C256A-FM09042
ICB4	8-759-786-59	s	IC MBM27C256A-FM09051
ICB5	8-759-786-60	s	IC MBM27C256A-FM09061
ICB7	8-759-004-80	s	IC MC74HCT374N
ICB8	8-759-004-80	s	IC MC74HCT374N
ICB9	8-759-786-57	s	IC MBM27C256A-FM09032
ICB11	8-759-786-59	s	IC MBM27C256A-FM09051
ICB12	8-759-786-60	s	IC MBM27C256A-FM09061
ICB13	8-759-004-80	s	IC MC74HCT374N
ICB14	8-759-004-80	s	IC MC74HCT374N

(FM-09 BOARD, DVPC-1000)

#10601 & UP (J)
#10901 & UP (UC)
#10901 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICB15	8-759-203-16	s	IC TC74HCT244P
ICB16	8-759-203-68	s	IC TC74HC4040P
ICB17	8-759-203-68	s	IC TC74HC4040P
ICB18	8-759-203-68	s	IC TC74HC4040P
ICB19	8-759-203-68	s	IC TC74HC4040P
ICB20	8-759-901-64	s	IC SN74LS164N
ICB21	8-759-900-32	s	IC SN74LS32N
ICB22	8-759-794-96	s	IC PAL16R6B-FM09441
ICB23	8-759-794-95	s	IC PAL16R6B-FM09421
ICB24	8-759-794-88	s	IC PAL16R4B-FM09434
ICB25	8-759-202-26	s	IC TC74HC138P
ICB26	8-759-794-87	s	IC PAL16R4B-FM09401
ICB27	8-759-793-85	s	IC PAL16L8B-FM09291
ICB28	8-759-004-80	s	IC MC74HCT374N
ICB29	8-752-322-10	s	IC CXK5814P-45L
ICB30	8-752-322-12	s	IC CXK5416P-35
ICB31	8-759-004-80	s	IC MC74HCT374N
ICB32	8-759-203-36	s	IC TC74HC374P
ICB33	8-759-904-87	s	IC 74F374PC
ICC1	8-759-202-55	s	IC TC74HC244P
ICC2	8-759-004-80	s	IC MC74HCT374N
ICC3	8-759-794-84	s	IC PAL16R4B-FM09341
ICC4	8-759-903-99	s	IC SN74LS399N
ICC5	8-752-304-30	s	IC CX23043
ICC6	8-752-304-30	s	IC CX23043
ICC7	8-759-004-80	s	IC MC74HCT374N
ICC8	8-759-794-91	s	IC PAL16R6B-FM09331
ICC9	8-759-903-99	s	IC SN74LS399N
ICC10	8-752-304-30	s	IC CX23043
ICC11	8-752-304-30	s	IC CX23043
ICC12	8-759-946-64	s	IC SN74ALS04BN
ICC13	8-759-774-65	s	IC MB7138HSK-FM09101
ICC14	8-759-774-66	s	IC MB7138HSK-FM09111
ICC15	8-759-774-67	s	IC MB7138HSK-FM09121
ICC16	8-759-203-36	s	IC TC74HC374P
ICC17	8-759-203-36	s	IC TC74HC374P
ICC18	8-759-203-36	s	IC TC74HC374P
ICC19	8-759-203-36	s	IC TC74HC374P
ICC20	8-759-904-18	s	IC SN74ALS00AN
ICC21	8-759-946-64	s	IC SN74ALS04BN
ICC22	8-759-904-18	s	IC SN74ALS00AN
ICC23	8-759-904-79	s	IC 74F00PC
ICC24	8-759-004-82	s	IC MC74HCT534N
ICC27	8-759-777-57	s	IC MBL8742H-FM090111
ICC28	8-759-913-63	s	IC SN74ALS374N
ICC29	8-759-913-63	s	IC SN74ALS374N
ICC30	8-759-912-48	s	IC SN74ALS874NT
ICC31	8-759-004-80	s	IC MC74HCT374N
ICC32	8-759-912-48	s	IC SN74ALS874NT
ICC33	8-759-904-87	s	IC 74F374PC
ICD1	8-759-793-74	s	IC PAL16R6B-FM09221
ICD2	8-759-793-73	s	IC PAL16R6B-FM09211
ICD3	8-759-793-73	s	IC PAL16R6B-FM09211
ICD4	8-759-793-73	s	IC PAL16R6B-FM09211
ICD5	8-759-793-73	s	IC PAL16R6B-FM09211
ICD6	8-759-793-73	s	IC PAL16R6B-FM09211
ICD7	8-759-793-74	s	IC PAL16R6B-FM09221
ICD8	8-759-793-73	s	IC PAL16R6B-FM09211
ICD9	8-759-793-73	s	IC PAL16R6B-FM09211
ICD10	8-759-793-73	s	IC PAL16R6B-FM09211
ICD11	8-759-793-73	s	IC PAL16R6B-FM09211
ICD12	8-759-793-73	s	IC PAL16R6B-FM09211
ICD13	8-759-793-85	s	IC PAL16L8B-FM09291
ICD14	8-752-304-30	s	IC CX23043
ICD15	8-752-304-30	s	IC CX23043
ICD16	8-759-908-71	s	IC SN74ALS244AN
ICD17	8-759-902-40	s	IC SN74LS240N
ICD18	8-759-904-48	s	IC SN74LS109N
ICD19	8-759-904-48	s	IC SN74LS109N
ICD20	8-759-904-81	s	IC 74F08PC

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(FM-09 BOARD, DVPC-1000)

#10601 & UP (J)
#10901 & UP (UC)
#10901 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICD21	8-759-202-75	s	IC TC74HCT04P
ICD22	8-759-902-40	s	IC SN74LS240N
ICD23	8-759-902-44	s	IC SN74LS244N
ICD24	8-759-913-63	s	IC SN74ALS374N
ICD25	8-759-103-88	s	IC UPD82C43CY
ICD28	8-759-774-70	s	IC MB7138HSK-FM09151
ICD29	8-759-774-71	s	IC MB7138HSK-FM09161
ICD30	8-759-774-72	s	IC MB7138HSK-FM09171
ICD31	8-759-926-40	s	IC SN74LS640N
ICD32	8-759-904-09	s	IC SN74LS688N
ICD33	8-759-912-12	s	IC SN74ALS240AN
ICE1	8-759-112-25	s	IC UPD4361C-45
ICE2	8-759-112-25	s	IC UPD4361C-45
ICE3	8-759-112-25	s	IC UPD4361C-45
ICE4	8-759-112-25	s	IC UPD4361C-45
ICE5	8-759-112-25	s	IC UPD4361C-45
ICE6	8-759-112-25	s	IC UPD4361C-45
ICE7	8-759-112-25	s	IC UPD4361C-45
ICE8	8-759-112-25	s	IC UPD4361C-45
ICE9	8-759-112-25	s	IC UPD4361C-45
ICE10	8-759-112-25	s	IC UPD4361C-45
ICE11	8-759-112-25	s	IC UPD4361C-45
ICE12	8-759-112-25	s	IC UPD4361C-45
ICE13	8-759-786-61	s	IC MBM27C256A-FM09071
ICE15	8-759-786-62	s	IC MBM27C256A-FM09081
ICE16	8-759-900-00	s	IC SN74LS00N
ICE17	8-759-775-48	s	IC MB7112H-FM09201
ICE18	8-759-906-66	s	IC 74F86PC
ICE19	8-759-904-81	s	IC 74F08PC
ICE20	8-759-901-75	s	IC SN74LS175N
ICE21	8-759-900-04	s	IC SN74LS04N
ICE22	8-759-912-12	s	IC SN74ALS240AN
ICE23	8-759-775-41	s	IC MBM27C32-FM09091
ICE25	8-759-916-07	s	IC CX23038
ICE27	8-759-916-07	s	IC CX23038
ICE28	8-759-937-48	s	IC SN74ALS157N
ICE29	8-759-937-48	s	IC SN74ALS157N
ICE30	8-759-918-33	s	IC CX20160
ICE31	8-759-902-45	s	IC SN74LS245N
ICE32	8-759-912-12	s	IC SN74ALS240AN
ICE33	8-759-926-32	s	IC AM26LS32PC
ICF1	8-759-939-50	s	IC AM2966PC
ICF2	8-759-939-50	s	IC AM2966PC
ICF3	8-759-939-50	s	IC AM2966PC
ICF4	8-759-939-50	s	IC AM2966PC
ICF5	8-759-939-50	s	IC AM2966PC
ICF6	8-759-939-50	s	IC AM2966PC
ICF7	8-759-939-50	s	IC AM2966PC
ICF8	8-759-939-50	s	IC AM2966PC
ICF9	8-759-939-50	s	IC AM2966PC
ICF10	8-759-939-50	s	IC AM2966PC
ICF11	8-759-939-50	s	IC AM2966PC
ICF12	8-759-939-50	s	IC AM2966PC
ICF13	8-759-946-36	s	IC SN74ALS163BN
ICF14	8-759-004-80	s	IC MC74HCT374N
ICF15	8-759-794-89	s	IC PAL16R6B-FM09301
ICF16	8-759-917-72	s	IC 74F244PC
ICF17	8-759-902-40	s	IC SN74LS240N
ICF18	8-759-945-73	s	IC SN74ALS10AN
ICF19	8-759-904-18	s	IC SN74ALS00AN
ICF21	8-759-904-18	s	IC SN74ALS00AN
ICF22	8-759-902-40	s	IC SN74LS240N
ICF23	8-759-774-49	s	IC MB7128H-FM09181
ICF24	8-752-304-30	s	IC CX23043
ICF25	8-759-794-92	s	IC PAL16R6B-FM09361
ICF26	8-759-774-69	s	IC MB7138HSK-FM09141
ICF27	8-759-774-68	s	IC MB7138HSK-FM09131
ICF28	8-759-937-48	s	IC SN74ALS157N
ICF29	8-759-937-48	s	IC SN74ALS157N
ICF30	8-759-918-33	s	IC CX20160

(FM-09 BOARD, DVPC-1000)

#10601 & UP (J)
#10901 & UP (UC)
#10901 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICF31	8-759-913-63	s	IC SN74ALS374N
ICF32	8-759-913-63	s	IC SN74ALS374N
ICG1	8-759-109-81	s	IC UPD41464C-10
ICG2	8-759-109-81	s	IC UPD41464C-10
ICG3	8-759-109-81	s	IC UPD41464C-10
ICG4	8-759-109-81	s	IC UPD41464C-10
ICG5	8-759-109-81	s	IC UPD41464C-10
ICG6	8-759-109-81	s	IC UPD41464C-10
ICG7	8-759-109-81	s	IC UPD41464C-10
ICG8	8-759-109-81	s	IC UPD41464C-10
ICG9	8-759-109-81	s	IC UPD41464C-10
ICG10	8-759-109-81	s	IC UPD41464C-10
ICG11	8-759-109-81	s	IC UPD41464C-10
ICG12	8-759-109-81	s	IC UPD41464C-10
ICG13	8-759-902-44	s	IC SN74LS244N
ICG14	8-759-794-90	s	IC PAL16R6B-FM09312
ICG15	8-759-794-83	s	IC PAL16R4B-FM09321
ICG16	8-759-103-88	s	IC UPD82C43CY
ICG17	8-759-904-79	s	IC 74F00PC
ICG18	8-759-203-11	s	IC TC74HCT240P
ICG19	8-759-989-73	s	IC SN74LS257BN
ICG21	8-759-989-73	s	IC SN74LS257BN
ICG22	8-759-796-89	s	IC GAL16V8-FM09394
ICG23	8-759-794-86	s	IC PAL16R4B-FM09382
ICG24	8-759-794-85	s	IC PAL16R4B-FM09351
ICG25	8-759-794-93	s	IC PAL16R6B-FM09372
ICG26	8-759-900-67	s	IC SN74ALS02N
ICG27	8-759-906-78	s	IC 74F399PC
ICG28	8-759-906-78	s	IC 74F399PC
ICG29	8-759-906-78	s	IC 74F399PC
ICG30	8-759-904-26	s	IC SN74ALS08N
ICG31	8-759-912-48	s	IC SN74ALS874NT
ICG32	8-759-989-73	s	IC SN74LS257BN
ICH1	8-759-109-81	s	IC UPD41464C-10
ICH2	8-759-109-81	s	IC UPD41464C-10
ICH3	8-759-109-81	s	IC UPD41464C-10
ICH4	8-759-109-81	s	IC UPD41464C-10
ICH5	8-759-109-81	s	IC UPD41464C-10
ICH6	8-759-109-81	s	IC UPD41464C-10
ICH7	8-759-109-81	s	IC UPD41464C-10
ICH8	8-759-109-81	s	IC UPD41464C-10
ICH9	8-759-109-81	s	IC UPD41464C-10
ICH10	8-759-109-81	s	IC UPD41464C-10
ICH11	8-759-109-81	s	IC UPD41464C-10
ICH12	8-759-109-81	s	IC UPD41464C-10
ICH13	8-759-902-40	s	IC SN74LS240N
ICH16	8-759-202-26	s	IC TC74HC138P
ICH17	8-759-937-47	s	IC SN74ALS86N
ICH18	8-759-775-00	s	IC MB7124H-FM09191
ICH21	8-759-113-07	s	IC CXD1038G
ICH23	8-759-004-80	s	IC MC74HCT374N
ICH25	8-759-113-07	s	IC CXD1038G
ICH27	8-759-004-80	s	IC MC74HCT374N
ICH28	8-759-004-80	s	IC MC74HCT374N
ICH29	8-752-322-12	s	IC CXK5416P-35
ICH30	8-752-322-10	s	IC CXK5814P-45L
ICH31	8-759-913-63	s	IC SN74ALS374N
ICH32	8-759-913-63	s	IC SN74ALS374N
ICJ1	8-759-937-86	s	IC CX20214
ICJ2	8-759-937-86	s	IC CX20214
ICJ4	8-759-937-86	s	IC CX20214
ICJ5	8-759-937-86	s	IC CX20214
ICJ6	8-759-004-80	s	IC MC74HCT374N
ICJ7	8-759-937-86	s	IC CX20214
ICJ8	8-759-937-86	s	IC CX20214
ICJ10	8-759-937-86	s	IC CX20214
ICJ11	8-759-937-86	s	IC CX20214
ICJ12	8-759-004-80	s	IC MC74HCT374N
ICJ14	8-759-745-17	s	IC MBL8749H-FM090218
ICJ16	8-759-103-88	s	IC UPD82C43CY

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(FM-09 BOARD, DVPC-1000)

#10601 & UP (J)
#10901 & UP (UC)
#10901 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICJ17	8-759-902-45	s	IC SN74LS245N
ICJ18	8-752-322-12	s	IC CXK5416P-35
ICJ19	8-752-322-12	s	IC CXK5416P-35
ICJ21	8-752-322-10	s	IC CXK5814P-45L
ICJ22	8-752-322-10	s	IC CXK5814P-45L
ICJ23	8-759-775-00	s	IC MB7124H-FM09191
ICJ24	8-752-322-10	s	IC CXK5814P-45L
ICJ25	8-752-322-10	s	IC CXK5814P-45L
ICJ26	8-752-322-12	s	IC CXK5416P-35
ICJ27	8-752-322-12	s	IC CXK5416P-35
ICJ28	8-759-004-80	s	IC MC74HCT374N
ICJ29	8-752-322-12	s	IC CXK5416P-35
ICJ30	8-752-322-10	s	IC CXK5814P-45L
ICJ31	8-759-913-63	s	IC SN74ALS374N
ICJ32	8-759-913-63	s	IC SN74ALS374N
JS1	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS2	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS3	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS4	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS5	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS6	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS7	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS8	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS9	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS10	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
L1	1-421-370-00	s	COIL, CHOKE
L2	1-421-370-00	s	COIL, CHOKE
L3	1-421-370-00	s	COIL, CHOKE
L4	1-421-370-00	s	COIL, CHOKE
RB1	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB2	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB3	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB4	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB5	1-231-398-00	s	RESISTOR BLOCK, 270X8
RB6	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB7	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB8	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB9	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB10	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB11	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB12	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB13	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB14	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB15	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB16	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB17	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB18	1-231-398-00	s	RESISTOR BLOCK, 270X8
RB19	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB20	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB21	1-231-410-00	s	RESISTOR BLOCK, 10KX8
S1	1-570-623-11	s	SWITCH, DIP 4CKT
S2	1-570-623-11	s	SWITCH, DIP 4CKT
S3	1-570-623-11	s	SWITCH, DIP 4CKT
S4	1-553-925-00	s	SWITCH, ROTARY
S5	1-553-925-00	s	SWITCH, ROTARY
S6	1-553-925-00	s	SWITCH, ROTARY
S7	1-553-925-00	s	SWITCH, ROTARY
S8	1-553-925-00	s	SWITCH, ROTARY
S9	1-553-925-00	s	SWITCH, ROTARY

IE-17 BOARD, DVPC-1000

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6019-008-A	o	COMPLETE PCB, IE-17
(This assembly includes the following parts.)			
1pc	3-715-721-71	o	LABEL (2), SERIAL NUMBER
2pcs	3-673-249-00	o	LEVER, PC BOARD
2pcs	7-621-775-10	s	SCREW, +B 2.6X4
2pcs	7-626-320-11	o	PIN, SPRING 3X8
2pcs	7-628-254-20	s	SCREW, +PSW, 2.6X8
6pcs	7-628-253-40	s	SCREW, +PS 2X10
21pcs	7-628-254-10	s	SCREW, +PSW, 2.6X6
C16	1-123-661-00	s	CAP, ELECT 100uF 20% 6.3V
C17	1-123-661-00	s	CAP, ELECT 100uF 20% 6.3V
C18	1-131-353-00	s	CAP, TANT 10uF 20% 35V
C19	1-131-353-00	s	CAP, TANT 10uF 20% 35V
C21	1-131-347-00	s	CAP, TANT 1uF 20% 35V
C22	1-131-347-00	s	CAP, TANT 1uF 20% 35V
C23	1-131-347-00	s	CAP, TANT 1uF 20% 35V
C24	1-123-661-00	s	CAP, ELECT 100uF 20% 6.3V
C25	1-123-661-00	s	CAP, ELECT 100uF 20% 6.3V
CN1	1-560-733-00	s	PIN, SHORT
CN2	1-560-733-00	s	PIN, SHORT
CN3	1-560-733-00	s	PIN, SHORT
CN101M	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103M	1-506-746-11	s	RECEP, DIN 48P, MALE
D1	8-719-100-15	s	DIODE RD3.0E-B
D2	8-719-100-15	s	DIODE RD3.0E-B
D3	8-719-907-19	s	DIODE FM52M-5
D4	8-719-907-19	s	DIODE FM52M-5
F1	⚠ 1-532-926-12	s	FUSE, MICRO 10A
F2	⚠ 1-532-926-12	s	FUSE, MICRO 10A
ICA1	8-752-304-30	s	IC CX23043
ICA2	8-759-774-83	s	IC MB7138HSK-IE17031
ICA3	8-759-203-36	s	IC TC74HC374P
ICA5	8-759-202-11	s	IC TC74HC00P
ICA6	8-759-202-84	s	IC TC74HC109P
ICA7	8-759-202-11	s	IC TC74HC00P
ICA8	8-759-202-74	s	IC TC74HC04P
ICA9	8-759-202-14	s	IC TC74HC08P
ICA10	8-759-904-79	s	IC 74F00PC
ICA11	8-752-304-30	s	IC CX23043
ICA15	8-752-304-30	s	IC CX23043
ICA16	8-759-901-63	s	IC SN74LS163AN
ICA17	8-759-917-72	s	IC 74F244PC
ICA18	8-759-917-72	s	IC 74F244PC
ICA19	8-759-917-72	s	IC 74F244PC
ICA20	8-759-917-72	s	IC 74F244PC
ICA21	8-759-917-72	s	IC 74F244PC
ICA22	8-759-904-80	s	IC 74F04PC
ICA23	8-759-918-71	s	IC CX23065
ICA25	8-759-990-82	s	IC TL082CP
ICA27	8-759-016-48	s	IC MC1648P
ICA29	8-759-300-25	s	IC HD10125
ICA30	8-759-002-82	s	IC MC10H136L
ICA31	8-759-301-02	s	IC HD10102
ICA32	8-759-302-31	s	IC HD10231
ICA33	8-759-301-02	s	IC HD10102
ICA34	8-759-301-02	s	IC HD10102
ICA35	8-759-003-78	s	IC MC10216L
ICB25	8-759-990-82	s	IC TL082CP
ICC1	8-752-304-30	s	IC CX23043
ICC2	8-759-774-84	s	IC MB7138HSK-IE17041
ICC3	8-759-203-36	s	IC TC74HC374P
ICC5	8-759-203-36	s	IC TC74HC374P
ICC6	8-759-203-36	s	IC TC74HC374P
ICC7	8-759-203-36	s	IC TC74HC374P
ICC8	8-759-774-87	s	IC MB7138HSK-IE17121
ICC10	8-759-790-22	s	IC VP16V8E-IE17131
ICC11	8-759-203-36	s	IC TC74HC374P
ICC12	8-759-202-27	s	IC TC74HC157P
ICC13	8-759-774-19	s	IC MB7226RA-IE17171
ICC14	8-759-790-23	s	IC VP16V8E-IE17161
ICC15	8-759-790-23	s	IC VP16V8E-IE17161

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(IE-17 BOARD, DVPC-1000)

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICC17	8-759-112-18	s	IC uPD4362C-45
ICC18	8-759-112-18	s	IC uPD4362C-45
ICC19	8-759-112-18	s	IC uPD4362C-45
ICC20	8-759-112-18	s	IC uPD4362C-45
ICC22	8-759-937-86	s	IC CX20214
ICC23	8-759-937-86	s	IC CX20214
ICC24	8-759-937-86	s	IC CX20214
ICC26	8-759-937-86	s	IC CX20214
ICC27	8-759-904-87	s	IC 74F374PC
ICC28	8-759-904-87	s	IC 74F374PC
ICC29	8-759-301-24	s	IC HD10124
ICC30	8-759-003-39	s	IC MC10141L
ICC31	8-759-301-24	s	IC HD10124
ICC32	8-759-003-39	s	IC MC10141L
ICC33	8-759-302-31	s	IC HD10231
ICC34	8-759-301-02	s	IC HD10102
ICD1	8-759-774-18	s	IC MB7226RA-IE17011
ICD2	8-759-774-85	s	IC MB7138HSK-IE17051
ICD3	8-759-203-36	s	IC TC74HC374P
ICD5	8-759-203-36	s	IC TC74HC374P
ICD6	8-759-203-36	s	IC TC74HC374P
ICD7	8-759-203-36	s	IC TC74HC374P
ICD8	8-759-774-87	s	IC MB7138HSK-IE17121
ICD10	8-759-790-22	s	IC VP16V8E-IE17131
ICD11	8-759-203-36	s	IC TC74HC374P
ICD12	8-759-790-23	s	IC VP16V8E-IE17161
ICD13	8-759-790-23	s	IC VP16V8E-IE17161
ICD14	8-759-112-37	s	IC uPD41101C-3
ICD15	8-759-112-37	s	IC uPD41101C-3
ICD17	8-759-112-18	s	IC uPD4362C-45
ICD18	8-759-112-18	s	IC uPD4362C-45
ICD19	8-759-112-18	s	IC uPD4362C-45
ICD20	8-759-112-18	s	IC uPD4362C-45
ICD22	8-759-937-86	s	IC CX20214
ICD23	8-759-937-86	s	IC CX20214
ICD24	8-759-937-86	s	IC CX20214
ICD26	8-759-937-86	s	IC CX20214
ICD27	8-759-904-87	s	IC 74F374PC
ICD28	8-759-904-87	s	IC 74F374PC
ICD29	8-759-301-24	s	IC HD10124
ICD30	8-759-003-39	s	IC MC10141L
ICD31	8-759-301-24	s	IC HD10124
ICD32	8-759-003-39	s	IC MC10141L
ICD33	8-759-302-31	s	IC HD10231
ICD34	8-759-301-02	s	IC HD10102
ICE27	8-759-904-87	s	IC 74F374PC
ICE28	8-759-904-87	s	IC 74F374PC
ICE29	8-759-301-24	s	IC HD10124
ICE30	8-759-003-39	s	IC MC10141L
ICE31	8-759-301-24	s	IC HD10124
ICE32	8-759-003-39	s	IC MC10141L
ICE33	8-759-302-31	s	IC HD10231
ICE34	8-759-301-02	s	IC HD10102
ICF1	8-752-304-30	s	IC CX23043
ICF2	8-759-774-83	s	IC MB7138HSK-IE17031
ICF3	8-759-203-36	s	IC TC74HC374P
ICF5	8-759-203-36	s	IC TC74HC374P
ICF6	8-759-203-36	s	IC TC74HC374P
ICF7	8-759-203-36	s	IC TC74HC374P
ICF8	8-759-774-87	s	IC MB7138HSK-IE17121
ICF10	8-759-790-22	s	IC VP16V8E-IE17131
ICF11	8-759-203-36	s	IC TC74HC374P
ICF12	8-759-202-27	s	IC TC74HC157P
ICF13	8-759-774-19	s	IC MB7226RA-IE17171
ICF14	8-759-790-23	s	IC VP16V8E-IE17161
ICF15	8-759-790-23	s	IC VP16V8E-IE17161
ICF17	8-759-112-18	s	IC uPD4362C-45
ICF18	8-759-112-18	s	IC uPD4362C-45
ICF19	8-759-112-18	s	IC uPD4362C-45
ICF20	8-759-112-18	s	IC uPD4362C-45

(IE-17 BOARD, DVPC-1000)

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICF22	8-759-937-86	s	IC CX20214
ICF23	8-759-937-86	s	IC CX20214
ICF24	8-759-937-86	s	IC CX20214
ICF26	8-759-937-86	s	IC CX20214
ICF27	8-759-904-87	s	IC 74F374PC
ICF28	8-759-904-87	s	IC 74F374PC
ICF29	8-759-301-24	s	IC HD10124
ICF30	8-759-003-39	s	IC MC10141L
ICF31	8-759-301-24	s	IC HD10124
ICF32	8-759-003-39	s	IC MC10141L
ICF33	8-759-302-31	s	IC HD10231
ICF34	8-759-301-02	s	IC HD10102
ICG1	8-752-304-30	s	IC CX23043
ICG2	8-759-774-84	s	IC MB7138HSK-IE17041
ICG3	8-759-203-36	s	IC TC74HC374P
ICG5	8-759-203-36	s	IC TC74HC374P
ICG6	8-759-203-36	s	IC TC74HC374P
ICG7	8-759-203-36	s	IC TC74HC374P
ICG8	8-759-774-87	s	IC MB7138HSK-IE17121
ICG10	8-759-790-22	s	IC VP16V8E-IE17131
ICG11	8-759-203-36	s	IC TC74HC374P
ICG12	8-759-790-23	s	IC VP16V8E-IE17161
ICG13	8-759-790-23	s	IC VP16V8E-IE17161
ICG14	8-759-112-37	s	IC uPD41101C-3
ICG15	8-759-112-37	s	IC uPD41101C-3
ICG17	8-759-112-18	s	IC uPD4362C-45
ICG18	8-759-112-18	s	IC uPD4362C-45
ICG19	8-759-112-18	s	IC uPD4362C-45
ICG20	8-759-112-18	s	IC uPD4362C-45
ICG22	8-759-937-86	s	IC CX20214
ICG23	8-759-937-86	s	IC CX20214
ICG24	8-759-937-86	s	IC CX20214
ICG26	8-759-937-86	s	IC CX20214
ICG27	8-759-904-80	s	IC 74F04PC
ICG28	8-759-202-74	s	IC TC74HC04P
ICG29	8-759-900-04	s	IC SN74LS04N
ICG30	8-759-900-04	s	IC SN74LS04N
ICG31	8-759-301-24	s	IC HD10124
ICG32	8-759-900-00	s	IC SN74LS00N
ICG33	8-759-900-04	s	IC SN74LS04N
ICG34	8-759-900-04	s	IC SN74LS04N
ICG35	8-759-926-32	s	IC AM26LS32PC
ICH4	8-759-202-21	s	IC TC74HC32P
ICH5	8-759-202-14	s	IC TC74HC08P
ICH6	8-759-774-20	s	IC MB7226RA-IE17101
ICH7	8-759-774-86	s	IC MB7138HSK-IE17111
ICH8	8-759-203-36	s	IC TC74HC374P
ICH9	8-752-304-30	s	IC CX23043
ICH11	8-752-304-30	s	IC CX23043
ICH12	8-759-901-63	s	IC SN74LS163AN
ICH13	8-759-901-63	s	IC SN74LS163AN
ICH14	8-759-790-24	s	IC VP16V8E-IE17181
ICH15	8-759-790-24	s	IC VP16V8E-IE17181
ICH16	8-759-790-24	s	IC VP16V8E-IE17181
ICH17	8-759-790-24	s	IC VP16V8E-IE17181
ICH18	8-759-790-24	s	IC VP16V8E-IE17181
ICH19	8-759-790-24	s	IC VP16V8E-IE17181
ICH20	8-759-790-24	s	IC VP16V8E-IE17181
ICH21	8-759-909-47	s	IC SN74ALS574N
ICH22	8-759-202-24	s	IC TC74HC86P
ICH23	8-759-000-99	s	IC MC74HC74N
ICH24	8-759-902-40	s	IC SN74LS240N
ICH25	8-759-902-40	s	IC SN74LS240N
ICH26	8-759-902-40	s	IC SN74LS240N
ICH27	8-759-203-36	s	IC TC74HC374P
ICH28	8-759-203-36	s	IC TC74HC374P
ICH29	8-759-909-47	s	IC SN74ALS574N
ICH30	8-759-909-47	s	IC SN74ALS574N
ICH31	8-759-202-74	s	IC TC74HC04P
ICH32	8-759-203-36	s	IC TC74HC374P

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(IE-17 BOARD, DVPC-1000)

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICH33	8-759-909-47	s	IC SN74ALS574N
ICJ1	8-759-774-18	s	IC MB7226RA-IE17011
ICJ2	8-759-774-85	s	IC MB7138HSK-IE17051
ICJ3	8-759-203-36	s	IC TC74HC374P
ICJ4	8-759-202-24	s	IC TC74HC86P
ICJ5	8-759-202-14	s	IC TC74HC08P
ICJ31	8-759-202-21	s	IC TC74HC32P
ICK1	8-759-790-17	s	IC VP16V8E-IE17021
ICK2	8-759-790-18	s	IC VP16V8E-IE17061
ICK3	8-759-790-17	s	IC VP16V8E-IE17021
ICK4	8-759-790-20	s	IC VP16V8E-IE17081
ICK5	8-752-304-30	s	IC CX23043
ICK7	8-752-304-30	s	IC CX23043
ICK8	8-752-304-30	s	IC CX23043
ICK9	8-759-202-11	s	IC TC74HC00P
ICK10	8-759-202-74	s	IC TC74HC04P
ICK11	8-759-202-84	s	IC TC74HC109P
ICK12	8-759-202-26	s	IC TC74HC138P
ICK13	8-759-203-36	s	IC TC74HC374P
ICK14	8-759-300-67	s	IC HM6168HP-45
ICK15	8-759-300-67	s	IC HM6168HP-45
ICK16	8-759-300-67	s	IC HM6168HP-45
ICK17	8-759-300-67	s	IC HM6168HP-45
ICK18	8-759-300-67	s	IC HM6168HP-45
ICK19	8-759-300-67	s	IC HM6168HP-45
ICK20	8-759-300-67	s	IC HM6168HP-45
ICK21	8-759-300-67	s	IC HM6168HP-45
ICK22	8-759-790-24	s	IC VP16V8E-IE17181
ICK23	8-759-203-36	s	IC TC74HC374P
ICK24	8-759-203-36	s	IC TC74HC374P
ICK25	8-759-202-32	s	IC TC74HC163P
ICK26	8-759-203-01	s	IC TC74HC175P
ICK27	8-759-203-36	s	IC TC74HC374P
ICK28	8-759-203-36	s	IC TC74HC374P
ICK29	8-759-909-47	s	IC SN74ALS574N
ICK30	8-759-909-47	s	IC SN74ALS574N
ICK31	8-759-202-21	s	IC TC74HC32P
ICK32	8-759-202-11	s	IC TC74HC00P
ICK33	8-759-913-63	s	IC SN74ALS374N
ICL1	8-759-790-17	s	IC VP16V8E-IE17021
ICL2	8-759-790-19	s	IC VP16V8E-IE17071
ICL3	8-759-790-17	s	IC VP16V8E-IE17021
ICL4	8-759-790-21	s	IC VP16V8E-IE17091
ICL5	8-759-202-74	s	IC TC74HC04P
ICL6	8-759-000-99	s	IC MC74HC74N
ICL7	8-759-202-74	s	IC TC74HC04P
ICL8	8-759-901-63	s	IC SN74LS163AN
ICL10	8-759-775-15	s	IC MBM27C256-IE17141
ICL12	8-759-775-16	s	IC MBM27C256-IE17151
ICL13	8-759-203-36	s	IC TC74HC374P
ICL14	8-759-202-55	s	IC TC74HC244P
ICL15	8-759-203-36	s	IC TC74HC374P
ICL16	8-759-202-55	s	IC TC74HC244P
ICL17	8-759-203-36	s	IC TC74HC374P
ICL18	8-759-202-55	s	IC TC74HC244P
ICL19	8-759-203-36	s	IC TC74HC374P
ICL20	8-759-202-55	s	IC TC74HC244P
ICL21	8-759-203-36	s	IC TC74HC374P
ICL22	8-759-790-24	s	IC VP16V8E-IE17181
ICL23	8-759-203-36	s	IC TC74HC374P
ICL24	8-759-203-36	s	IC TC74HC374P
ICL26	8-759-113-06	s	IC CXD1037G
ICL29	8-759-113-06	s	IC CXD1037G
ICL31	8-759-913-63	s	IC SN74ALS374N
ICL32	8-759-913-63	s	IC SN74ALS374N
ICL33	8-759-913-63	s	IC SN74ALS374N
ICL34	8-759-913-63	s	IC SN74ALS374N
ICM5	8-759-001-42	s	IC MC74HC174N
ICM6	8-759-001-42	s	IC MC74HC174N
ICM7	8-759-202-32	s	IC TC74HC163P

(IE-17 BOARD, DVPC-1000)

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICM8	8-759-202-15	s	IC TC74HC10P
ICM26	8-759-113-06	s	IC CXD1037G
ICM29	8-759-113-06	s	IC CXD1037G
ICM31	8-759-913-63	s	IC SN74ALS374N
ICM32	8-759-913-63	s	IC SN74ALS374N
ICM33	8-759-913-63	s	IC SN74ALS374N
ICM34	8-759-913-63	s	IC SN74ALS374N
L1	1-410-330-11	s	INDUCTOR, 22uH 10%
L2	1-410-330-11	s	INDUCTOR, 22uH 10%
L3	1-421-370-00	s	COIL, CHOKE
L4	1-421-370-00	s	COIL, CHOKE
L5	1-421-370-00	s	COIL, CHOKE
L6	1-421-370-00	s	COIL, CHOKE
L7	1-421-370-00	s	COIL, CHOKE
L8	1-421-370-00	s	COIL, CHOKE
L9	1-421-370-00	s	COIL, CHOKE
L10	1-421-370-00	s	COIL, CHOKE
L11	1-410-747-11	s	VAR, INDUCTOR, 0.4uH
R5	1-247-750-11	s	RES, CARBON 680 5% 1/2W
R6	1-247-750-11	s	RES, CARBON 680 5% 1/2W
R8	1-247-750-11	s	RES, CARBON 680 5% 1/2W
R9	1-247-750-11	s	RES, CARBON 680 5% 1/2W
R25	1-215-401-11	s	RES, METAL 150 1% 1/6W
R26	1-215-401-11	s	RES, METAL 150 1% 1/6W
R31	1-215-401-11	s	RES, METAL 150 1% 1/6W
R32	1-215-401-11	s	RES, METAL 150 1% 1/6W
R46	1-215-401-11	s	RES, METAL 150 1% 1/6W
R47	1-215-401-11	s	RES, METAL 150 1% 1/6W
R48	1-215-401-11	s	RES, METAL 150 1% 1/6W
R49	1-215-401-11	s	RES, METAL 150 1% 1/6W
R54	1-215-401-11	s	RES, METAL 150 1% 1/6W
R55	1-215-401-11	s	RES, METAL 150 1% 1/6W
R65	1-215-401-11	s	RES, METAL 150 1% 1/6W
R66	1-215-401-11	s	RES, METAL 150 1% 1/6W
R67	1-215-401-11	s	RES, METAL 150 1% 1/6W
R68	1-215-401-11	s	RES, METAL 150 1% 1/6W
R82	1-215-401-11	s	RES, METAL 150 1% 1/6W
R83	1-215-401-11	s	RES, METAL 150 1% 1/6W
R84	1-215-401-11	s	RES, METAL 150 1% 1/6W
R85	1-215-401-11	s	RES, METAL 150 1% 1/6W
RB1	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB2	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB3	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB4	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB7	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB8	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB9	1-231-501-00	s	RESISTOR BLOCK, 470X4
RB10	1-231-501-00	s	RESISTOR BLOCK, 470X4
RB11	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB12	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB13	1-231-501-00	s	RESISTOR BLOCK, 470X4
RB14	1-231-501-00	s	RESISTOR BLOCK, 470X4
RB15	1-231-501-00	s	RESISTOR BLOCK, 470X4
RB16	1-231-501-00	s	RESISTOR BLOCK, 470X4
RB17	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB18	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB19	1-231-501-00	s	RESISTOR BLOCK, 470X4
RB20	1-231-501-00	s	RESISTOR BLOCK, 470X4
RB21	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB22	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB23	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB24	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB25	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB26	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB27	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB28	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB29	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB30	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB31	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB32	1-231-410-00	s	RESISTOR BLOCK, 10KX8

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(IE-17 BOARD, DVPC-1000)

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
RB33	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB34	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB35	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB36	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB37	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB38	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB39	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RV1	1−230−845−11	s	RES, VAR, METAL 50K
S1	1−570−623−11	s	SWITCH, DIP 4CKT
S2	1−570−623−11	s	SWITCH, DIP 4CKT
S3	1−570−623−11	s	SWITCH, DIP 4CKT

IE-17 BOARD, DVPC-1000

#10701 & UP (J)
#21001 & UP (UC)
#11001 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A−6019−008−A	o	IE−17 COMPL
(This assembly includes the following parts.)			
2pcs	3−673−249−11	o	LEVER, PC BOARD
1pc	3−715−721−71	o	LABEL (2), SERIAL NUMBER
2pcs	7−621−775−10	s	SCREW +B 2.6X4
2pcs	7−626−320−11	o	PIN, SPRING 3X8
6pcs	7−628−253−40	s	SCREW +PS 2X10
1pc	7−628−254−00	s	SCREW +PSW 2.6X5
20pcs	7−628−254−10	s	+PSW, 2.6X6
2pcs	7−628−254−20	s	+PSW, 2.6X8
C196	1−123−661−00	s	CAP, ELECT 100uF 20% 6.3V
C200	1−162−876−11	s	CAP, CERAMIC 75PF 5% 50V
C201	1−162−876−11	s	CAP, CERAMIC 75PF 5% 50V
C204	1−123−661−00	s	CAP, ELECT 100uF 20% 6.3V
CN1	1−566−385−11	s	PIN, CONNECTOR 2P
CN2	1−566−385−11	s	PIN, CONNECTOR 2P
CN3	1−566−385−11	s	PIN, CONNECTOR 2P
CN101	1−506−748−11	s	RECEP, DIN 96P, MALE
CN102	1−506−746−11	s	RECEP, DIN 48P, MALE
CN103	1−506−746−11	s	RECEP, DIN 48P, MALE
D5	8−719−907−19	s	DIODE FC52M−5
D6	8−719−907−19	s	DIODE FC52M−5
F1	⚠ 1−576−031−11	s	FUSE, MICRO 10A
F2	⚠ 1−576−031−11	s	FUSE, MICRO 10A
ICA1	8−752−304−30	s	IC CX23043
ICA2	8−759−774−83	s	IC MB7138HSK−IE17031
ICA3	8−759−203−36	s	IC TC74HC374P
ICA5	8−759−202−11	s	IC TC74HC00P
ICA6	8−759−202−84	s	IC TC74HC109P
ICA7	8−759−202−11	s	IC TC74HC00P
ICA8	8−759−202−74	s	IC TC74HC04P
ICA9	8−759−803−70	s	IC LC74HC08
ICA11	8−752−304−30	s	IC CX23043
ICA15	8−752−304−30	s	IC CX23043
ICA16	8−759−901−63	s	IC SN74LS163AN
ICA17	8−759−901−63	s	IC SN74LS163AN
ICA23	8−759−904−80	s	IC 74F04PC
ICA24	8−759−918−71	s	IC CX23065
ICA28	8−759−003−78	s	IC MC10216L
ICA29	8−759−300−25	s	IC HD10125
ICA30	8−759−002−82	s	IC MC10H136L
ICA31	8−759−301−02	s	IC HD10102
ICA32	8−759−301−02	s	IC HD10102
ICA33	8−759−301−02	s	IC HD10102
ICA34	8−759−301−02	s	IC HD10102
ICC1	8−752−304−30	s	IC CX23043
ICC2	8−759−774−84	s	IC MB7138HSK−IE17041
ICC3	8−759−203−36	s	IC TC74HC374P
ICC5	8−759−203−36	s	IC TC74HC374P
ICC6	8−759−203−36	s	IC TC74HC374P
ICC7	8−759−203−36	s	IC TC74HC374P
ICC8	8−759−774−87	s	IC MB7138HSK−IE17121
ICC10	8−759−793−89	s	IC PAL16L8B−IE17131
ICC11	8−759−203−36	s	IC TC74HC374P
ICC12	8−759−916−50	s	IC SN74HC157N
ICC13	8−759−774−19	s	IC MB7226RA−IE17171
ICC14	8−759−793−90	s	IC PAL16R4B−IE17161
ICC15	8−759−793−90	s	IC PAL16R4B−IE17161
ICC17	8−759−113−97	s	IC UPD42505C−50
ICC18	8−759−113−97	s	IC UPD42505C−50
ICC19	8−759−113−97	s	IC UPD42505C−50
ICC20	8−759−113−97	s	IC UPD42505C−50
ICC21	8−759−113−97	s	IC UPD42505C−50
ICC22	8−759−794−12	s	IC PAL16R4B−IE17191
ICC24	8−759−794−12	s	IC PAL16R4B−IE17191
ICC27	8−759−904−87	s	IC 74F374PC
ICC28	8−759−904−87	s	IC 74F374PC
ICC29	8−759−301−24	s	IC HD10124
ICC30	8−759−003−39	s	IC MC10141L
ICC31	8−759−301−24	s	IC HD10124
ICC32	8−759−003−39	s	IC MC10141L
ICC33	8−759−302−31	s	IC HD10231P

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(IE-17 BOARD, DVPC-1000)

#10701 & UP (J)
#21001 & UP (UC)
#11001 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICC34	8-759-302-31	s	IC HD10231P
ICD1	8-759-781-69	s	IC MB7226RA-IE17012
ICD2	8-759-774-85	s	IC MB7138HSK-IE17051
ICD3	8-759-203-36	s	IC TC74HC374P
ICD5	8-759-203-36	s	IC TC74HC374P
ICD6	8-759-203-36	s	IC TC74HC374P
ICD7	8-759-203-36	s	IC TC74HC374P
ICD8	8-759-774-87	s	IC MB7138HSK-IE17121
ICD10	8-759-793-89	s	IC PAL16L8B-IE17131
ICD11	8-759-203-36	s	IC TC74HC374P
ICD12	8-759-793-90	s	IC PAL16R4B-IE17161
ICD13	8-759-793-90	s	IC PAL16R4B-IE17161
ICD17	8-759-113-97	s	IC UPD42505C-50
ICD18	8-759-113-97	s	IC UPD42505C-50
ICD19	8-759-113-97	s	IC UPD42505C-50
ICD20	8-759-113-97	s	IC UPD42505C-50
ICD21	8-759-113-97	s	IC UPD42505C-50
ICD22	8-759-794-12	s	IC PAL16R4B-IE17191
ICD24	8-759-794-12	s	IC PAL16R4B-IE17191
ICD25	8-759-113-97	s	IC UPD42505C-50
ICD26	8-759-113-97	s	IC UPD42505C-50
ICD27	8-759-904-87	s	IC 74F374PC
ICD28	8-759-904-87	s	IC 74F374PC
ICD29	8-759-301-24	s	IC HD10124
ICD30	8-759-003-39	s	IC MC10141L
ICD31	8-759-301-24	s	IC HD10124
ICD32	8-759-003-39	s	IC MC10141L
ICD33	8-759-302-31	s	IC HD10231P
ICD34	8-759-302-31	s	IC HD10231P
ICE27	8-759-904-87	s	IC 74F374PC
ICE28	8-759-904-87	s	IC 74F374PC
ICE29	8-759-301-24	s	IC HD10124
ICE30	8-759-003-39	s	IC MC10141L
ICE31	8-759-301-24	s	IC HD10124
ICE32	8-759-003-39	s	IC MC10141L
ICE33	8-759-302-31	s	IC HD10231P
ICE34	8-759-302-31	s	IC HD10231P
ICF1	8-752-304-30	s	IC CX23043
ICF2	8-759-774-83	s	IC MB7138HSK-IE17031
ICF3	8-759-203-36	s	IC TC74HC374P
ICF5	8-759-203-36	s	IC TC74HC374P
ICF6	8-759-203-36	s	IC TC74HC374P
ICF7	8-759-203-36	s	IC TC74HC374P
ICF8	8-759-774-87	s	IC MB7138HSK-IE17121
ICF10	8-759-793-89	s	IC PAL16L8B-IE17131
ICF11	8-759-203-36	s	IC TC74HC374P
ICF12	8-759-916-50	s	IC SN74HC157N
ICF13	8-759-774-19	s	IC MB7226RA-IE17171
ICF14	8-759-793-90	s	IC PAL16R4B-IE17161
ICF15	8-759-793-90	s	IC PAL16R4B-IE17161
ICF17	8-759-113-97	s	IC UPD42505C-50
ICF18	8-759-113-97	s	IC UPD42505C-50
ICF19	8-759-113-97	s	IC UPD42505C-50
ICF20	8-759-113-97	s	IC UPD42505C-50
ICF21	8-759-113-97	s	IC UPD42505C-50
ICF22	8-759-794-12	s	IC PAL16R4B-IE17191
ICF24	8-759-794-12	s	IC PAL16R4B-IE17191
ICF27	8-759-904-87	s	IC 74F374PC
ICF28	8-759-904-87	s	IC 74F374PC
ICF29	8-759-301-24	s	IC HD10124
ICF30	8-759-003-39	s	IC MC10141L
ICF31	8-759-301-24	s	IC HD10124
ICF32	8-759-003-39	s	IC MC10141L
ICF33	8-759-302-31	s	IC HD10231P
ICF34	8-759-302-31	s	IC HD10231P
ICG1	8-752-304-30	s	IC CX23043
ICG2	8-759-774-84	s	IC MB7138HSK-IE17041
ICG3	8-759-203-36	s	IC TC74HC374P
ICG5	8-759-203-36	s	IC TC74HC374P
ICG6	8-759-203-36	s	IC TC74HC374P

(IE-17 BOARD, DVPC-1000)

#10701 &UP (J)
#21001 & UP (UC)
#11001 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICG7	8-759-203-36	s	IC TC74HC374P
ICG8	8-759-774-87	s	IC MB7138HSK-IE17121
ICG10	8-759-793-89	s	IC PAL16L8B-IE17131
ICG11	8-759-203-36	s	IC TC74HC374P
ICG12	8-759-793-90	s	IC PAL16R4B-IE17161
ICG13	8-759-793-90	s	IC PAL16R4B-IE17161
ICG17	8-759-113-97	s	IC UPD42505C-50
ICG18	8-759-113-97	s	IC UPD42505C-50
ICG19	8-759-113-97	s	IC UPD42505C-50
ICG20	8-759-113-97	s	IC UPD42505C-50
ICG21	8-759-113-97	s	IC UPD42505C-50
ICG22	8-759-794-12	s	IC PAL16R4B-IE17191
ICG24	8-759-794-12	s	IC PAL16R4B-IE17191
ICG25	8-759-113-97	s	IC UPD42505C-50
ICG26	8-759-113-97	s	IC UPD42505C-50
ICG27	8-759-904-80	s	IC 74F04PC
ICG28	8-759-202-74	s	IC TC74HC04P
ICG29	8-759-900-04	s	IC SN74LS04N
ICG30	8-759-900-04	s	IC SN74LS04N
ICG31	8-759-301-24	s	IC HD10124
ICG32	8-759-900-00	s	IC SN74LS00N
ICG33	8-759-900-04	s	IC SN74LS04N
ICG34	8-759-900-04	s	IC SN74LS04N
ICG35	8-759-926-32	s	IC AM26LS32PC
ICH4	8-759-202-21	s	IC TC74HC32P
ICH5	8-759-803-70	s	IC LC74HC08
ICH6	8-759-774-20	s	IC MB7226RA-IE17101
ICH7	8-759-774-86	s	IC MB7138HSK-IE17111
ICH8	8-759-203-36	s	IC TC74HC374P
ICH9	8-752-304-30	s	IC CX23043
ICH11	8-752-304-30	s	IC CX23043
ICH12	8-759-901-63	s	IC SN74LS163AN
ICH13	8-759-901-63	s	IC SN74LS163AN
ICH14	8-759-793-91	s	IC PAL16L8B-IE17181
ICH15	8-759-793-91	s	IC PAL16L8B-IE17181
ICH16	8-759-793-91	s	IC PAL16L8B-IE17181
ICH17	8-759-793-91	s	IC PAL16L8B-IE17181
ICH18	8-759-793-91	s	IC PAL16L8B-IE17181
ICH19	8-759-793-91	s	IC PAL16L8B-IE17181
ICH20	8-759-793-91	s	IC PAL16L8B-IE17181
ICH21	8-759-946-38	s	IC SN74ALS574AN
ICH22	8-759-202-24	s	IC TC74HC86P
ICH23	8-759-916-29	s	IC SN74HC74N
ICH24	8-759-902-40	s	IC SN74LS240N
ICH25	8-759-902-40	s	IC SN74LS240N
ICH26	8-759-902-40	s	IC SN74LS240N
ICH27	8-759-203-36	s	IC TC74HC374P
ICH28	8-759-203-36	s	IC TC74HC374P
ICH29	8-759-946-38	s	IC SN74ALS574AN
ICH30	8-759-946-38	s	IC SN74ALS574AN
ICH31	8-759-202-74	s	IC TC74HC04P
ICH32	8-759-203-36	s	IC TC74HC374P
ICH33	8-759-946-38	s	IC SN74ALS574AN
ICJ1	8-759-781-69	s	IC MB7226RA-IE17012
ICJ2	8-759-774-85	s	IC MB7138HSK-IE17051
ICJ3	8-759-203-36	s	IC TC74HC374P
ICJ4	8-759-202-24	s	IC TC74HC86P
ICJ5	8-759-803-70	s	IC LC74HC08
ICJ31	8-759-202-21	s	IC TC74HC32P
ICK1	8-759-793-88	s	IC PAL16L8B-IE17021
ICK2	8-759-794-24	s	IC PAL16L8B-IE17061
ICK3	8-759-793-88	s	IC PAL16L8B-IE17021
ICK4	8-759-794-26	s	IC PAL16L8B-IE17081
ICK5	8-752-304-30	s	IC CX23043
ICK7	8-752-304-30	s	IC CX23043
ICK8	8-752-304-30	s	IC CX23043
ICK9	8-759-202-11	s	IC TC74HC00P
ICK10	8-759-202-74	s	IC TC74HC04P
ICK11	8-759-202-84	s	IC TC74HC109P
ICK12	8-759-202-26	s	IC TC74HC138P

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(IE-17 BOARD, DVPC-1000)

#10701 & UP (J)
#21001 & UP (UC)
#11001 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICK13	8-759-203-36	s	IC TC74HC374P
ICK14	8-752-322-16	s	IC CXK5416P-45L
ICK15	8-752-322-16	s	IC CXK5416P-45L
ICK16	8-752-322-16	s	IC CXK5416P-45L
ICK17	8-752-322-16	s	IC CXK5416P-45L
ICK18	8-752-322-16	s	IC CXK5416P-45L
ICK19	8-752-322-16	s	IC CXK5416P-45L
ICK20	8-752-322-16	s	IC CXK5416P-45L
ICK21	8-752-322-16	s	IC CXK5416P-45L
ICK22	8-759-793-91	s	IC PAL16L8B-IE17181
ICK23	8-759-203-36	s	IC TC74HC374P
ICK24	8-759-203-36	s	IC TC74HC374P
ICK25	8-759-202-32	s	IC TC74HC163P
ICK26	8-759-203-01	s	IC TC74HC175P
ICK27	8-759-203-36	s	IC TC74HC374P
ICK28	8-759-203-36	s	IC TC74HC374P
ICK29	8-759-946-38	s	IC SN74ALS574AN
ICK30	8-759-946-38	s	IC SN74ALS574AN
ICK31	8-759-202-21	s	IC TC74HC32P
ICK32	8-759-202-11	s	IC TC74HC00P
ICK33	8-759-913-63	s	IC SN74ALS374N
ICL1	8-759-793-88	s	IC PAL16L8B-IE17021
ICL2	8-759-794-25	s	IC PAL16L8B-IE17071
ICL3	8-759-793-88	s	IC PAL16L8B-IE17021
ICL4	8-759-794-27	s	IC PAL16L8B-IE17091
ICL5	8-759-202-74	s	IC TC74HC04P
ICL6	8-759-916-29	s	IC SN74HC74N
ICL7	8-759-202-74	s	IC TC74HC04P
ICL8	8-759-901-63	s	IC SN74LS163AN
ICL10	8-759-786-37	s	IC MBM27C256A-IE17141
ICL12	8-759-786-38	s	IC MBM27C256A-IE17151
ICL13	8-759-203-36	s	IC TC74HC374P
ICL14	8-759-202-55	s	IC TC74HC244P
ICL15	8-759-203-36	s	IC TC74HC374P
ICL16	8-759-202-55	s	IC TC74HC244P
ICL17	8-759-203-36	s	IC TC74HC374P
ICL18	8-759-202-55	s	IC TC74HC244P
ICL19	8-759-203-36	s	IC TC74HC374P
ICL20	8-759-202-55	s	IC TC74HC244P
ICL21	8-759-203-36	s	IC TC74HC374P
ICL22	8-759-793-91	s	IC PAL16L8B-IE17181
ICL23	8-759-203-36	s	IC TC74HC374P
ICL24	8-759-203-36	s	IC TC74HC374P
ICL26	8-759-113-06	s	IC CXD1037G
ICL29	8-759-113-06	s	IC CXD1037G
ICL31	8-759-913-63	s	IC SN74ALS374N
ICL32	8-759-913-63	s	IC SN74ALS374N
ICL33	8-759-913-63	s	IC SN74ALS374N
ICL34	8-759-913-63	s	IC SN74ALS374N
ICM5	8-759-001-42	s	IC MC74HC174N
ICM6	8-759-001-42	s	IC MC74HC174N
ICM7	8-759-202-32	s	IC TC74HC163P
ICM8	8-759-202-15	s	IC TC74HC10P
ICM26	8-759-113-06	s	IC CXD1037G
ICM29	8-759-113-06	s	IC CXD1037G
ICM31	8-759-913-63	s	IC SN74ALS374N
ICM32	8-759-913-63	s	IC SN74ALS374N
ICM33	8-759-913-63	s	IC SN74ALS374N
ICM34	8-759-913-63	s	IC SN74ALS374N
L5	1-421-370-00	s	COIL, CHOKE
L6	1-421-370-00	s	COIL, CHOKE
L7	1-421-370-00	s	COIL, CHOKE
L8	1-421-370-00	s	COIL, CHOKE
L9	1-421-370-00	s	COIL, CHOKE
L10	1-421-370-00	s	COIL, CHOKE
L11	1-410-330-11	s	INDUCTOR, 22uH 10%
L13	1-410-746-11	s	INDUCTOR, VAR
R25	1-215-401-11	s	RES, METAL 150 1% 1/6W
R26	1-215-401-11	s	RES, METAL 150 1% 1/6W
R31	1-215-401-11	s	RES, METAL 150 1% 1/6W

(IE-17 BOARD, DVPC-1000)

#10701 & UP (J)
#21001 & UP (UC)
#11001 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
R32	1-215-401-11	s	RES, METAL 150 1% 1/6W
R46	1-215-401-11	s	RES, METAL 150 1% 1/6W
R47	1-215-401-11	s	RES, METAL 150 1% 1/6W
R48	1-215-401-11	s	RES, METAL 150 1% 1/6W
R49	1-215-401-11	s	RES, METAL 150 1% 1/6W
R54	1-215-401-11	s	RES, METAL 150 1% 1/6W
R55	1-215-401-11	s	RES, METAL 150 1% 1/6W
R65	1-215-401-11	s	RES, METAL 150 1% 1/6W
R66	1-215-401-11	s	RES, METAL 150 1% 1/6W
R67	1-215-401-11	s	RES, METAL 150 1% 1/6W
R68	1-215-401-11	s	RES, METAL 150 1% 1/6W
R82	1-215-401-11	s	RES, METAL 150 1% 1/6W
R83	1-215-401-11	s	RES, METAL 150 1% 1/6W
R84	1-215-401-11	s	RES, METAL 150 1% 1/6W
R85	1-215-401-11	s	RES, METAL 150 1% 1/6W
RB1	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB2	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB3	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB4	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB7	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB8	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB9	1-231-501-00	s	RESISTOR BLOCK, 470X4
RB10	1-231-501-00	s	RESISTOR BLOCK, 470X4
RB11	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB12	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB13	1-231-501-00	s	RESISTOR BLOCK, 470X4
RB14	1-231-501-00	s	RESISTOR BLOCK, 470X4
RB15	1-231-501-00	s	RESISTOR BLOCK, 470X4
RB16	1-231-501-00	s	RESISTOR BLOCK, 470X4
RB17	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB18	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB19	1-231-501-00	s	RESISTOR BLOCK, 470X4
RB20	1-231-501-00	s	RESISTOR BLOCK, 470X4
RB21	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB22	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB23	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB24	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB25	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB26	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB27	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB28	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB29	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB30	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB31	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB32	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB33	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB34	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB35	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB36	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB37	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB38	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB39	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB40	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB41	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB42	1-231-399-00	s	RESISTOR BLOCK, 330X8
S1	1-570-623-11	s	SWITCH, DIP 4CKT
S2	1-570-623-11	s	SWITCH, DIP 4CKT
S3	1-570-623-11	s	SWITCH, DIP 4CKT

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

IF-139 BOARD, DVPC-1000

1pc	A-6019-004-A	o	COMPLETE PCB, IF-139

(This assembly includes the following parts.)

1pc	3-715-721-31	o	LABEL (2), SERIAL NUMBER
2pcs	3-673-249-00	o	LEVER, PC BOARD
2pcs	7-621-775-10	s	SCREW, +B 2.6X4
2pcs	7-626-320-11	o	PIN, SPRING 3X8
2pcs	7-628-254-20	s	SCREW, +PSW, 2.6X8
2pcs	7-682-647-09	s	SCREW, +PS 3X6
2pcs	7-684-023-04	s	N 3, TYPE 2
21pcs	7-628-254-10	s	SCREW, +PSW, 2.6X6
BT1	1-528-218-11	s	BATTERY, LITHIUM CR2032WT13H
C1	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C7	1-131-374-00	s	CAP, TANT 33uF 10% 16V
C26	1-131-347-00	s	CAP, TANT 1uF 20% 35V
C27	1-131-347-00	s	CAP, TANT 1uF 20% 35V
C28	1-131-347-00	s	CAP, TANT 1uF 20% 35V
C41	1-136-165-00	s	CAP, MYLAR 0.1uF 5% 50V
C42	1-131-374-00	s	CAP, TANT 33uF 10% 16V
C60	1-107-037-00	s	CAP, MICA 82PF 5% 500V
CN1F	1-563-339-11	o	RECEP, DIN 48P, FEMALE
CN101M	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103M	1-506-746-11	s	RECEP, DIN 48P, MALE
D1	8-719-815-55	s	DIODE 1S1555
F1	▲ 1-576-031-11	s	FUSE, MICRO 10A
IC1	8-759-179-12	s	IC uPC7912H
IC2	8-759-171-12	s	IC uPC7812H
ICA1	8-759-007-09	s	IC MC74HC540N
ICB1	8-759-007-09	s	IC MC74HC540N
ICC1	8-759-007-09	s	IC MC74HC540N
ICC6	8-759-939-61	s	IC DS1210
ICD1	8-759-202-26	s	IC TC74HC138P
ICD2	8-759-202-26	s	IC TC74HC138P
ICD3	8-759-203-50	s	IC TC74HC574P
ICD4	8-759-203-50	s	IC TC74HC574P
ICD5	8-759-203-50	s	IC TC74HC574P
ICD6	8-759-203-50	s	IC TC74HC574P
ICD7	8-759-921-34	s	IC SN74HC245N
ICD8	8-759-203-18	s	IC TC74HC253P
ICE2	8-759-203-33	s	IC TC74HC367P
ICE3	8-759-203-48	s	IC TC74HC573P
ICE4	8-759-202-26	s	IC TC74HC138P
ICE5	8-759-202-26	s	IC TC74HC138P
ICE6	8-759-916-29	s	IC SN74HC74N
ICE7	8-759-202-21	s	IC TC74HC32P
ICE8	8-759-916-29	s	IC SN74HC74N
ICE9	8-759-202-74	s	IC TC74HC04P
ICE10	8-759-905-03	s	IC SN75161AN
ICE11	8-759-905-02	s	IC SN75160AN
ICE12	8-759-905-03	s	IC SN75161AN
ICE13	8-759-905-02	s	IC SN75160AN
ICE14	8-759-912-30	s	IC SN74ALS640AN
ICE15	8-759-908-71	s	IC SN74ALS244AN
ICE16	8-759-926-31	s	IC AM26LS31PC
ICF2	8-759-105-75	s	IC uPD70108D-8
ICF3	8-759-203-48	s	IC TC74HC573P
ICF4	8-759-741-09	s	IC MBM27C256A-IF1390135
ICF6	8-759-321-82	s	IC CXK5864AP-10L
ICF8	8-759-202-32	s	IC TC74HC163P
ICF9	8-759-202-32	s	IC TC74HC163P
ICF11	8-759-905-04	s	IC TMS9914ANL
ICF12	8-759-905-04	s	IC TMS9914ANL
ICF14	8-759-912-30	s	IC SN74ALS640AN
ICF16	8-759-916-29	s	IC SN74HC74N
ICF17	8-759-916-29	s	IC SN74HC74N
ICF18	8-752-304-30	s	IC CX23043
ICF19	8-759-202-74	s	IC TC74HC04P
ICF20	8-759-803-70	s	IC LC74HC08
ICF21	8-752-304-30	s	IC CX23043
ICF22	8-759-202-11	s	IC TC74HC00P
ICF24	8-759-203-50	s	IC TC74HC574P
ICF25	8-759-908-23	s	IC MB88303
ICF26	8-759-202-21	s	IC TC74HC32P
ICF27	8-759-908-71	s	IC SN74ALS244AN
ICF28	8-759-202-74	s	IC TC74HC04P
ICF29	8-759-926-32	s	IC AM26LS32PC
ICG3	8-759-107-59	s	IC CXQ71086P
ICG4	8-759-202-74	s	IC TC74HC04P
ICG8	8-759-203-33	s	IC TC74HC367P
ICG15	8-759-900-69	s	IC SN74ALS74AN
ICG16	8-759-916-29	s	IC SN74HC74N
ICG17	8-759-202-21	s	IC TC74HC32P
ICG18	8-759-916-50	s	IC SN74HC157N
ICG19	8-759-916-50	s	IC SN74HC157N
ICG20	8-759-916-50	s	IC SN74HC157N
ICG21	8-759-916-50	s	IC SN74HC157N
ICG22	8-759-916-50	s	IC SN74HC157N
ICG23	8-759-916-50	s	IC SN74HC157N
ICG24	8-759-916-29	s	IC SN74HC74N
ICG25	8-759-202-74	s	IC TC74HC04P
ICG26	8-759-202-32	s	IC TC74HC163P
ICG27	8-759-202-32	s	IC TC74HC163P
ICG28	8-759-916-29	s	IC SN74HC74N
ICG29	8-759-900-69	s	IC SN74ALS74AN
ICH1	8-759-908-35	s	IC TL7705CP-B
ICH2	8-759-803-70	s	IC LC74HC08
ICH3	8-759-107-56	s	IC CXQ71011P
ICH5	8-759-916-29	s	IC SN74HC74N
ICH6	8-752-806-91	s	IC CXQ71054P
ICH7	8-752-806-91	s	IC CXQ71054P
ICH9	8-759-105-76	s	IC uPD71059C
ICH11	8-759-202-74	s	IC TC74HC04P
ICH12	8-759-202-32	s	IC TC74HC163P
ICH13	8-759-203-40	s	IC TC74HC393P
ICH14	8-759-916-29	s	IC SN74HC74N
ICH15	8-759-202-16	s	IC TC74HC11P
ICH17	8-759-916-29	s	IC SN74HC74N
ICH18	8-759-921-34	s	IC SN74HC245N
ICH19	8-759-302-76	s	IC HM6116ALSP-15
ICH20	8-759-202-55	s	IC TC74HC244P
ICH21	8-759-913-63	s	IC SN74ALS374N
ICH22	8-759-302-76	s	IC HM6116ALSP-15
ICH23	8-759-921-34	s	IC SN74HC245N
ICH24	8-759-302-76	s	IC HM6116ALSP-15
ICH25	8-759-916-29	s	IC SN74HC74N
ICH26	8-759-203-50	s	IC TC74HC574P
ICH27	8-759-203-50	s	IC TC74HC574P
ICH28	8-759-913-63	s	IC SN74ALS374N
ICH29	8-759-913-63	s	IC SN74ALS374N
L1	1-421-370-00	s	COIL, CHOKE
L2	1-421-370-00	s	COIL, CHOKE
L3	1-421-370-00	s	COIL, CHOKE
L4	1-421-370-00	s	COIL, CHOKE
RB1	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB2	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB3	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB4	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB5	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB6	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB7	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB8	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB9	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB10	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB11	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB12	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB13	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB14	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB15	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB16	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB17	1-231-533-00	s	RESISTOR BLOCK, 10KX4
S1	1-553-856-00	s	SWITCH, PUSH

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(IF-139 BOARD, DVPC-1000)

Ref. No. or Qty	Part No.	SP	Description
S2	1-553-441-21	s	SWITCH, TOGGLE
S3	1-554-397-21	s	SWITCH, TOGGLE
S4	1-554-329-00	s	SWITCH, TOGGLE
S5	1-570-623-11	s	SWITCH, DIP 4CKT
S6	1-553-252-00	s	SWITCH, ROTARY
X1	1-567-096-00	s	CRYSTAL 15.00000000MHz

IV-14 BOARD, DVPC-1000

#10001 TO 11199 (J)
#10001 TO 20999 (UC)
#10001 TO 11199 (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6011-113-A	o	COMPLETE PCB, IV-14
(This assembly includes the following parts.)			
2pcs	4-875-726-00	s	SHEET, INSULATING
2pcs	7-682-649-09	s	SCREW, +PSW 3X10
3pcs	7-682-647-09	s	SCREW, +PS 3X6
8pcs	7-628-254-20	s	SCREW, +PSW 2.6X8
C45	1-161-485-00	s	CAP, CERAMIC 0.1uF 50V
C47	1-109-807-00	s	CAP, MICA 100PF 1% 100V
C48	1-109-807-00	s	CAP, MICA 100PF 1% 100V
C49	1-109-532-00	s	CAP, MICA 75PF 5% 100V
C50	1-130-483-00	s	CAP, MYLAR 0.01uF 5% 50V
C52	1-109-532-00	s	CAP, MICA 75PF 5% 100V
C53	1-161-485-00	s	CAP, CERAMIC 0.1uF 50V
C54	1-130-483-00	s	CAP, MYLAR 0.01uF 5% 50V
C86	1-161-485-00	s	CAP, CERAMIC 0.1uF 50V
C150	1-109-528-00	s	CAP, MICA 51PF 5% 100V
C153	1-109-528-00	s	CAP, MICA 51PF 5% 100V
C159	1-123-332-00	s	CAP, ELECT 47uF 20% 25V
C256	1-161-900-11	s	CAP, CERAMIC 1uF 50V
C265	1-161-900-11	s	CAP, CERAMIC 1uF 50V
C274	1-161-900-11	s	CAP, CERAMIC 1uF 50V
C283	1-161-900-11	s	CAP, CERAMIC 1uF 50V
C308	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C312	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C314	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C317	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C318	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C321	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C322	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C325	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C327	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C329	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C330	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C333	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C335	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C337	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C401	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C402	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C403	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C404	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C405	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C406	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C407	1-102-114-00	s	CAP, CERAMIC 470PF 10% 50V
C408	1-102-114-00	s	CAP, CERAMIC 470PF 10% 50V
C409	1-102-114-00	s	CAP, CERAMIC 470PF 10% 50V
C410	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C411	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C412	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C413	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C414	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C415	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C416	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C417	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C418	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C419	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C420	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C421	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C422	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C423	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C424	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C425	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C426	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C427	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C428	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
CN048M	1-560-723-00	o	RECEP, IL 3P, MALE
CN049M	1-560-178-00	o	RECEP, 6P, MALE
CN251M	1-560-304-00	o	RECEP, IL 8P, MALE
CN252M	1-560-305-00	o	RECEP, IL 10P, MALE
CN253M	1-560-303-00	o	RECEP, IL 6P, MALE
CN254M	1-560-303-00	o	RECEP, IL 6P, MALE
CN255M	1-560-304-00	o	RECEP, IL 8P, MALE
CN256M	1-560-304-00	o	RECEP, IL 8P, MALE

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(IV-14 BOARD, DVPC-1000)

#10001 TO 11199 (J)
#10001 TO 20999 (UC)
#10001 TO 11199 (EK)

Ref. No. or Qty	Part No.	SP	Description
CN257M	1-560-304-00	o	RECEP, IL 8P, MALE
CN258M	1-560-303-00	o	RECEP, IL 6P, MALE
CN259M	1-560-304-00	o	RECEP, IL 8P, MALE
CN260M	1-560-303-00	o	RECEP, IL 6P, MALE
CN261M	1-560-303-00	o	RECEP, IL 6P, MALE
CN262M	1-560-300-00	o	RECEP, IL 3P, MALE
CN263M	1-560-300-00	o	RECEP, IL 3P, MALE
CN264M	1-560-306-00	o	RECEP, IL 12P, MALE
CN265M	1-560-306-00	o	RECEP, IL 12P, MALE
CN266M	1-560-300-00	o	RECEP, IL 3P, MALE
CN267M	1-560-300-00	o	RECEP, IL 3P, MALE
CN268M	1-560-300-00	o	RECEP, IL 3P, MALE
CN269M	1-560-300-00	o	RECEP, IL 3P, MALE
CN270M	1-560-303-00	o	RECEP, IL 6P, MALE
CN271M	1-560-303-00	o	RECEP, IL 6P, MALE
CN272M	1-560-727-00	o	RECEP, 26P, MALE
CN273M	1-560-728-00	o	RECEP, 30P, MALE
CN274M	1-560-300-00	o	RECEP, IL 3P, MALE
CP5	1-231-455-00	s	CR BLOCK, R=51,C=0.01
CP6	1-231-455-00	s	CR BLOCK, R=51,C=0.01
CP11	1-231-455-00	s	CR BLOCK, R=51,C=0.01
CP12	1-231-455-00	s	CR BLOCK, R=51,C=0.01
D1	8-719-102-51	s	DIODE 1SZ51
D2	8-719-911-19	s	DIODE 1SS119
D3	8-719-100-21	s	DIODE RD3.9E-B2
D4	8-719-911-19	s	DIODE 1SS119
D5	8-719-102-51	s	DIODE 1SZ51
D6	8-719-911-19	s	DIODE 1SS119
D7	8-719-911-19	s	DIODE 1SS119
D8	8-719-100-21	s	DIODE RD3.9E-B2
D9	8-719-815-55	s	DIODE 1S1555
D10	8-719-815-55	s	DIODE 1S1555
D11	8-719-100-15	s	DIODE RD3.0E-B
D12	8-719-815-55	s	DIODE 1S1555
D13	8-719-815-55	s	DIODE 1S1555
F1	⚠ 1-576-031-11	s	FUSE, MICRO 10A
F2	⚠ 1-576-031-11	s	FUSE, MICRO 10A
F3	⚠ 1-576-031-11	s	FUSE, MICRO 10A
FB1	1-535-178-00	s	FERRITE BEAD
FB2	1-535-178-00	s	FERRITE BEAD
FB3	1-535-178-00	s	FERRITE BEAD
FB4	1-535-178-00	s	FERRITE BEAD
FB5	1-535-178-00	s	FERRITE BEAD
FB6	1-535-178-00	s	FERRITE BEAD
FB7	1-535-178-00	s	FERRITE BEAD
FB8	1-535-178-00	s	FERRITE BEAD
FB9	1-535-178-00	s	FERRITE BEAD
FB10	1-535-178-00	s	FERRITE BEAD
FB11	1-535-178-00	s	FERRITE BEAD
FB12	1-535-178-00	s	FERRITE BEAD
FB13	1-535-178-00	s	FERRITE BEAD
FB14	1-535-178-00	s	FERRITE BEAD
FB15	1-535-178-00	s	FERRITE BEAD
FB16	1-535-178-00	s	FERRITE BEAD
FB17	1-535-178-00	s	FERRITE BEAD
FB18	1-535-178-00	s	FERRITE BEAD
FB19	1-535-178-00	s	FERRITE BEAD
FB20	1-535-178-00	s	FERRITE BEAD
FB21	1-535-178-00	s	FERRITE BEAD
FB22	1-535-178-00	s	FERRITE BEAD
FB23	1-535-178-00	s	FERRITE BEAD
FB24	1-535-178-00	s	FERRITE BEAD
FB25	1-535-178-00	s	FERRITE BEAD
FB26	1-535-178-00	s	FERRITE BEAD
FB27	1-535-178-00	s	FERRITE BEAD
FB28	1-535-178-00	s	FERRITE BEAD
FB29	1-535-178-00	s	FERRITE BEAD
FB30	1-535-178-00	s	FERRITE BEAD
FB31	1-535-178-00	s	FERRITE BEAD
FB32	1-535-178-00	s	FERRITE BEAD

(IV-14 BOARD, DVPC-1000)

#10001 TO 11199 (J)
#10001 TO 20999 (UC)
#10001 TO 11199 (EK)

Ref. No. or Qty	Part No.	SP	Description
FB33	1-535-178-00	s	FERRITE BEAD
FB34	1-535-178-00	s	FERRITE BEAD
FB35	1-535-178-00	s	FERRITE BEAD
FB36	1-535-178-00	s	FERRITE BEAD
FB37	1-535-178-00	s	FERRITE BEAD
FB38	1-535-178-00	s	FERRITE BEAD
IC1	8-759-926-32	s	IC AM26LS32PC
IC2	8-759-926-32	s	IC AM26LS32PC
IC3	8-759-926-31	s	IC AM26LS31PC
IC4	8-759-926-31	s	IC AM26LS31PC
IC5	8-759-926-31	s	IC AM26LS31PC
IC6	8-759-912-12	s	IC SN74ALS240AN
IC7	8-759-912-12	s	IC SN74ALS240AN
IC8	8-759-912-12	s	IC SN74ALS240AN
IC9	8-759-135-80	s	IC uPC358C
IC10	8-759-135-80	s	IC uPC358C
IC11	8-759-202-14	s	IC TC74HC08P
IC12	8-759-202-33	s	IC TC74HC240P
IC13	8-759-202-33	s	IC TC74HC240P
IC14	8-759-926-31	s	IC AM26LS31PC
IC15	8-759-202-11	s	IC TC74HC00P
IC16	8-759-202-11	s	IC TC74HC00P
IC17	8-759-202-89	s	IC TC74HC139P
IC18	8-759-202-33	s	IC TC74HC240P
IC19	8-749-936-61	s	IC BX366A
IC20	8-741-130-60	s	IC BX1306
IC21	8-741-130-60	s	IC BX1306
IC22	8-749-900-76	s	IC HD-1B
IC23	8-749-900-76	s	IC HD-1B
IC24	8-749-936-61	s	IC BX366A
IC25	8-741-130-60	s	IC BX1306
IC26	8-741-130-60	s	IC BX1306
IC27	8-749-900-76	s	IC HD-1B
IC28	8-749-900-76	s	IC HD-1B
IC29	8-749-936-61	s	IC BX366A
IC30	8-741-130-60	s	IC BX1306
IC31	8-741-130-60	s	IC BX1306
IC32	8-749-900-76	s	IC HD-1B
IC33	8-749-900-76	s	IC HD-1B
IC34	8-749-900-76	s	IC HD-1B
IC35	8-749-936-61	s	IC BX366A
IC36	8-749-900-76	s	IC HD-1B
IC37	8-749-936-61	s	IC BX366A
IC38	8-749-900-76	s	IC HD-1B
IC39	8-749-936-61	s	IC BX366A
IC40	8-741-104-00	s	IC BX1040
IC41	8-759-103-19	s	IC uPC319C
IC42	8-749-936-51	s	IC BX365A
IC43	8-741-130-60	s	IC BX1306
IC44	8-741-130-60	s	IC BX1306
IC45	8-741-130-60	s	IC BX1306
IC46	8-749-900-76	s	IC HD-1B
IC47	8-741-130-60	s	IC BX1306
IC48	8-741-130-60	s	IC BX1306
IC49	8-741-130-60	s	IC BX1306
IC50	8-749-900-76	s	IC HD-1B
IC51	8-741-130-60	s	IC BX1306
IC52	8-741-130-60	s	IC BX1306
IC53	8-741-130-60	s	IC BX1306
IC54	8-749-900-76	s	IC HD-1B
IC55	8-741-130-60	s	IC BX1306
IC56	8-741-130-60	s	IC BX1306
IC57	8-741-130-60	s	IC BX1306
IC58	8-749-900-76	s	IC HD-1B
IC59	8-741-130-60	s	IC BX1306
IC60	8-741-130-60	s	IC BX1306
IC61	8-741-130-60	s	IC BX1306
IC62	8-741-130-60	s	IC BX1306
IC63	8-749-936-61	s	IC BX366A
IC64	8-749-900-76	s	IC HD-1B

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(IV-14 BOARD, DVPC-1000)

#10001 TO 11199 (J)
#10001 TO 20999 (UC)
#10001 TO 11199 (EK)

Ref. No. or Qty	Part No.	SP	Description
IC65	8-749-936-51	s	IC BX365A
IC66	8-741-130-60	s	IC BX1306
IC67	8-741-130-60	s	IC BX1306
IC68	8-749-900-76	s	IC HD-1B
IC69	8-749-936-51	s	IC BX365A
IC70	8-741-130-60	s	IC BX1306
IC71	8-741-130-60	s	IC BX1306
IC72	8-749-900-76	s	IC HD-1B
IC73	8-749-936-51	s	IC BX365A
IC74	8-741-130-60	s	IC BX1306
IC75	8-741-130-60	s	IC BX1306
IC76	8-741-122-90	s	IC BX1229
IC77	8-741-122-90	s	IC BX1229
IC78	8-741-122-90	s	IC BX1229
IC79	8-741-122-90	s	IC BX1229
IC80	8-741-122-90	s	IC BX1229
IC81	8-741-122-90	s	IC BX1229
IC82	8-741-122-90	s	IC BX1229
IC83	8-759-108-05	s	IC uPC78L05A
IC84	8-759-171-15	s	IC uPC7815H
IC85	8-759-179-15	s	IC uPC7915H
IC86	8-759-900-72	s	IC NE5532P
IC87	8-759-900-72	s	IC NE5532P
IC88	8-759-900-72	s	IC NE5532P
IC89	8-759-900-72	s	IC NE5532P
ICP1	8-759-107-45	s	IC uPA54HA
ICP2	8-759-107-45	s	IC uPA54HA
ICP3	8-759-107-46	s	IC uPA64HA
ICP4	8-759-107-46	s	IC uPA64HA
ICP7	8-759-107-45	s	IC uPA54HA
ICP8	8-759-107-45	s	IC uPA54HA
ICP9	8-759-107-46	s	IC uPA64HA
ICP10	8-759-107-46	s	IC uPA64HA
ICP13	8-759-107-45	s	IC uPA54HA
ICP14	8-759-107-45	s	IC uPA54HA
ICP15	8-759-107-45	s	IC uPA54HA
ICP16	8-759-107-45	s	IC uPA54HA
ICP17	8-759-107-45	s	IC uPA54HA
ICP18	8-759-107-45	s	IC uPA54HA
ICP19	8-759-107-46	s	IC uPA64HA
ICP20	8-759-107-46	s	IC uPA64HA
ICP21	8-759-107-46	s	IC uPA64HA
ICP22	8-759-107-46	s	IC uPA64HA
ICP23	8-759-107-46	s	IC uPA64HA
ICP24	8-759-107-46	s	IC uPA64HA
JP1	1-566-385-11	s	PIN, CONNECTOR 2P
JP2	1-566-385-11	s	PIN, CONNECTOR 2P
JP3	1-566-385-11	s	PIN, CONNECTOR 2P
JP4	1-566-385-11	s	PIN, CONNECTOR 2P
JP5	1-566-385-11	s	PIN, CONNECTOR 2P
JP6	1-566-385-11	s	PIN, CONNECTOR 2P
JP7	1-566-385-11	s	PIN, CONNECTOR 2P
JP8	1-566-385-11	s	PIN, CONNECTOR 2P
JP9	1-566-385-11	s	PIN, CONNECTOR 2P
JP10	1-566-385-11	s	PIN, CONNECTOR 2P
JP11	1-566-385-11	s	PIN, CONNECTOR 2P
JP12	1-566-385-11	s	PIN, CONNECTOR 2P
JP13	1-566-385-11	s	PIN, CONNECTOR 2P
JP14	1-566-385-11	s	PIN, CONNECTOR 2P
JP15	1-566-385-11	s	PIN, CONNECTOR 2P
JP16	1-566-385-11	s	PIN, CONNECTOR 2P
JP17	1-566-385-11	s	PIN, CONNECTOR 2P
JP18	1-566-385-11	s	PIN, CONNECTOR 2P
JP19	1-566-385-11	s	PIN, CONNECTOR 2P
JP20	1-566-385-11	s	PIN, CONNECTOR 2P
JP21	1-566-385-11	s	PIN, CONNECTOR 2P
JP22	1-566-385-11	s	PIN, CONNECTOR 2P
JP23	1-566-385-11	s	PIN, CONNECTOR 2P
JP24	1-566-385-11	s	PIN, CONNECTOR 2P
JS1	1-565-413-11	s	RECEPTACLE CONNECTOR 2P

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(IV-14 BOARD, DVPC-1000)

#10001 TO 11199 (J)
#10001 TO 20999 (UC)
#10001 TO 11199 (EK)

Ref. No. or Qty	Part No.	SP	Description
JS4	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS5	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS7	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS10	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS11	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS13	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS16	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS17	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS19	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS22	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS23	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
L1	1-421-370-00	s	COIL, CHOKE
L2	1-421-370-00	s	COIL, CHOKE
L3	1-421-370-00	s	COIL, CHOKE
L4	1-421-370-00	s	COIL, CHOKE
L5	1-410-364-11	s	INDUCTOR, 39uH 10%
L6	1-410-330-11	s	INDUCTOR, 22uH 10%
L7	1-410-330-11	s	INDUCTOR, 22uH 10%
L8	1-421-370-00	s	COIL, CHOKE
L9	1-421-370-00	s	COIL, CHOKE
Q1	8-729-105-72	s	TRANSISTOR 2SK523-L1
Q2	8-729-169-02	s	TRANSISTOR 2SC2690A
Q3	8-729-105-72	s	TRANSISTOR 2SK523-L1
Q4	8-729-122-02	s	TRANSISTOR 2SA1220A
Q5	8-729-900-07	s	TRANSISTOR 2SB757
Q6	8-729-984-70	s	TRANSISTOR 2SD847
Q7	8-729-201-52	s	TRANSISTOR 2SA1015
Q8	8-729-672-43	s	TRANSISTOR 2SC2724-D
Q9	8-729-201-52	s	TRANSISTOR 2SA1015
Q10	8-729-672-43	s	TRANSISTOR 2SC2724-D
Q11	8-729-201-52	s	TRANSISTOR 2SA1015
Q12	8-729-201-52	s	TRANSISTOR 2SA1015
Q13	8-729-672-43	s	TRANSISTOR 2SC2724-D
Q14	8-729-201-52	s	TRANSISTOR 2SA1015
Q15	8-729-112-06	s	TRANSISTOR 2SA1206
Q16	8-729-105-72	s	TRANSISTOR 2SK523-L1
Q17	8-729-105-72	s	TRANSISTOR 2SK523-L1
Q18	8-729-105-72	s	TRANSISTOR 2SK523-L1
Q19	8-729-105-72	s	TRANSISTOR 2SK523-L1
Q20	8-729-105-72	s	TRANSISTOR 2SK523-L1
Q21	8-729-105-72	s	TRANSISTOR 2SK523-L1
Q22	8-729-105-72	s	TRANSISTOR 2SK523-L1
Q23	8-729-105-72	s	TRANSISTOR 2SK523-L1
R25	1-207-612-00	s	RES, WIREWOUND 0.1 10% 3W
R26	⚠ 1-205-621-11	s	RES, CEMENT 2.7 5% 5W
R27	1-207-612-00	s	RES, WIREWOUND 0.1 10% 3W
R28	⚠ 1-205-621-11	s	RES, CEMENT 2.7 5% 5W
R159	1-214-103-00	s	RES, METAL 62 1% 1/4W
R160	1-214-103-00	s	RES, METAL 62 1% 1/4W
R301	1-249-405-11	s	RES, CARBON 100 5% 1/6W
R302	1-249-405-11	s	RES, CARBON 100 5% 1/6W
R313	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R314	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R315	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R316	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R317	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R318	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R334	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R335	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R336	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R337	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R338	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R339	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R355	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R356	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R357	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R358	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R359	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R360	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R376	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R377	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R378	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R379	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R380	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R381	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W

(IV-14 BOARD, DVPC-1000)

#10001 TO 11199 (J)
#10001 TO 20999 (UC)
#10001 TO 11199 (EK)

Ref. No. or Qty	Part No.	SP	Description
R388	1-214-103-00	s	RES, METAL 62 1% 1/4W
R389	1-214-103-00	s	RES, METAL 62 1% 1/4W
R407	1-215-401-11	s	RES, METAL 150 1% 1/6W
R408	1-215-401-11	s	RES, METAL 150 1% 1/6W
R409	1-215-401-11	s	RES, METAL 150 1% 1/6W
RB1	1-231-450-00	s	RESISTOR BLOCK, 3.3KX8
RV1	1-224-937-00	s	RES, VAR, METAL 1K
RV2	1-224-937-00	s	RES, VAR, METAL 1K
RV3	1-224-939-00	s	RES, VAR, METAL 5K
RV4	1-224-939-00	s	RES, VAR, METAL 5K
RV5	1-224-936-00	s	RES, VAR, METAL 500
RV6	1-224-942-00	s	RES, VAR, METAL 50K
RV7	1-224-937-00	s	RES, VAR, METAL 1K
RV8	1-224-937-00	s	RES, VAR, METAL 1K
RV9	1-224-937-00	s	RES, VAR, METAL 1K
RV10	1-224-937-00	s	RES, VAR, METAL 1K
RV11	1-224-937-00	s	RES, VAR, METAL 1K
RV12	1-224-937-00	s	RES, VAR, METAL 1K
RV13	1-230-749-11	s	RES, VAR, CERMET 5K
RV14	1-230-749-11	s	RES, VAR, CERMET 5K
RV15	1-224-937-00	s	RES, VAR, METAL 1K
RV16	1-224-937-00	s	RES, VAR, METAL 1K
RV17	1-224-937-00	s	RES, VAR, METAL 1K
RV18	1-224-937-00	s	RES, VAR, METAL 1K
RV19	1-224-937-00	s	RES, VAR, METAL 1K
RV20	1-224-937-00	s	RES, VAR, METAL 1K
RV21	1-224-937-00	s	RES, VAR, METAL 1K
RV22	1-224-937-00	s	RES, VAR, METAL 1K
RV23	1-224-935-00	s	RES, VAR, METAL 200
RV24	1-224-935-00	s	RES, VAR, METAL 200
RV25	1-224-935-00	s	RES, VAR, METAL 200
RV26	1-224-935-00	s	RES, VAR, METAL 200
RV27	1-224-935-00	s	RES, VAR, METAL 200
RV28	1-224-935-00	s	RES, VAR, METAL 200
RV29	1-224-935-00	s	RES, VAR, METAL 200
RV30	1-224-935-00	s	RES, VAR, METAL 200
RV31	1-230-746-11	s	RES, VAR, CERMET 500
RV32	1-224-936-00	s	RES, VAR, METAL 500
RV33	1-230-746-11	s	RES, VAR, CERMET 500
RV34	1-224-936-00	s	RES, VAR, METAL 500
RV35	1-230-749-11	s	RES, VAR, CERMET 5K
RV36	1-230-749-11	s	RES, VAR, CERMET 5K
RV37	1-230-749-11	s	RES, VAR, CERMET 5K
RV38	1-230-749-11	s	RES, VAR, CERMET 5K
RV39	1-224-935-00	s	RES, VAR, METAL 200
T1	1-423-189-00	s	TRANSFORMER, INPUT
T2	1-423-189-00	s	TRANSFORMER, INPUT
T3	1-423-189-00	s	TRANSFORMER, INPUT
T4	1-423-189-00	s	TRANSFORMER, INPUT

IV-20 BOARD, DVPC-1000

#11201 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6011-121-A	o	COMPLETE PCB, IV-20
(This assembly includes the following parts.)			
2pc	4-875-726-00	s	SHEET, INSULATING
2pc	7-682-649-09	s	SCREW, +PSW 3X10
C1	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C2	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C3	1-109-535-00	s	CAP, MICA 100PF 5% 100V
C4	1-161-485-00	s	CAP, CERAMIC 0.1uF 50V
C5	1-109-532-00	s	CAP, MICA 75PF 5% 100V
C6	1-130-483-00	s	CAP, MYLAR 0.01uF 5% 50V
C7	1-124-596-11	s	CAP, ELECT 27uF 20% 16V
C8	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C9	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C51	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C52	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C53	1-109-535-00	s	CAP, MICA 100PF 5% 100V
C54	1-161-485-00	s	CAP, CERAMIC 0.1uF 50V
C55	1-109-532-00	s	CAP, MICA 75PF 5% 100V
C56	1-130-483-00	s	CAP, MYLAR 0.01uF 5% 50V
C57	1-124-596-11	s	CAP, ELECT 27uF 20% 16V
C58	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C59	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C81	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C82	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C83	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C84	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C104	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C105	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C106	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C107	1-107-042-00	s	CAP, MICA 2.2PF 0.5PF 500V
C124	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C125	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C126	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C127	1-107-042-00	s	CAP, MICA 2.2PF 0.5PF 500V
C144	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C145	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C146	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C147	1-107-042-00	s	CAP, MICA 2.2PF 0.5PF 500V
C191	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C192	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C201	1-161-900-11	s	CAP, CERAMIC 1uF 50V
C202	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C203	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C204	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C205	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C206	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C207	1-107-042-00	s	CAP, MICA 2.2PF 0.5PF 500V
C221	1-161-900-11	s	CAP, CERAMIC 1uF 50V
C222	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C223	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C224	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C225	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C226	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C227	1-107-042-00	s	CAP, MICA 2.2PF 0.5PF 500V
C241	1-161-900-11	s	CAP, CERAMIC 1uF 50V
C242	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C243	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C244	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C245	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C246	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C247	1-107-042-00	s	CAP, MICA 2.2PF 0.5PF 500V
C261	1-161-900-11	s	CAP, CERAMIC 1uF 50V
C262	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C263	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C264	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C265	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C266	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C267	1-107-042-00	s	CAP, MICA 2.2PF 0.5PF 500V
C281	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(IV-20 BOARD, DVPC-1000)

#11201 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
C291	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C292	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C301	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C302	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C304	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C305	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C306	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C307	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C308	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C309	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C310	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C311	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C312	1-130-495-00	s	CAP, MYLAR 0.1uF 5% 50V
C313	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C314	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C315	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C316	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C321	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C322	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C324	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C325	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C326	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C327	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C328	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C329	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C330	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C331	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C332	1-130-495-00	s	CAP, MYLAR 0.1uF 5% 50V
C333	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C334	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C335	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C336	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C341	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C342	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C344	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C345	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C346	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C347	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C348	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C349	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C350	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C351	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C352	1-130-495-00	s	CAP, MYLAR 0.1uF 5% 50V
C353	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C354	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C355	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C356	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C361	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C362	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C363	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C364	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C365	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C366	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C367	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C368	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C369	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C370	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C371	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C372	1-109-532-00	s	CAP, MICA 75PF 5% 100V
C374	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C375	1-124-578-11	s	CAP, ELECT 120uF 20% 16V
C376	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C377	1-124-578-11	s	CAP, ELECT 120uF 20% 16V
C378	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C379	1-109-528-00	s	CAP, MICA 51PF 5% 100V
C380	1-109-532-00	s	CAP, MICA 75PF 5% 100V
C381	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V

(IV-20 BOARD, DVPC-1000)

#11201 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
C382	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C383	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C384	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C401	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C402	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C403	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C404	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C405	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C406	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C407	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C408	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C409	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C410	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C411	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C412	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C413	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C414	1-130-495-00	s	CAP, MYLAR 0.1uF 5% 50V
C415	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C416	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C421	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C422	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C424	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C425	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C426	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C427	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C428	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C429	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C430	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C431	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C432	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C433	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C435	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C436	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C441	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C442	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C444	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C445	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C446	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C447	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C448	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C449	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C450	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C451	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C452	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C453	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C454	1-130-495-00	s	CAP, MYLAR 0.1uF 5% 50V
C455	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C456	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C460	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C461	1-107-208-00	s	CAP, MICA 18PF 5% 500V
C462	1-107-208-00	s	CAP, MICA 18PF 5% 500V
C463	1-130-495-00	s	CAP, MYLAR 0.1uF 5% 50V
C501	1-107-042-00	s	CAP, MICA 2.2PF 0.5PF 500V
C502	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C503	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C504	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C505	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C506	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C507	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C508	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C509	1-130-495-00	s	CAP, MYLAR 0.1uF 5% 50V
C510	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C511	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C521	1-107-042-00	s	CAP, MICA 2.2PF 0.5PF 500V
C522	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C523	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C524	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C525	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C526	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C527	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(IV-20 BOARD, DVPC-1000)

#11201 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
C528	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C531	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C532	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C547	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C548	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C551	1-107-042-00	s	CAP, MICA 2.2PF 0.5PF 500V
C552	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C553	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C554	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C556	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C557	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C558	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C559	1-130-495-00	s	CAP, MYLAR 0.1uF 5% 50V
C560	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C561	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C571	1-107-042-00	s	CAP, MICA 2.2PF 0.5PF 500V
C572	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C573	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C574	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C575	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C576	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C577	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C578	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C581	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C582	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C597	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C598	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C601	1-107-042-00	s	CAP, MICA 2.2PF 0.5PF 500V
C602	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C603	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C604	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C605	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C606	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C607	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C608	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C609	1-130-495-00	s	CAP, MYLAR 0.1uF 5% 50V
C610	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C611	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C621	1-107-042-00	s	CAP, MICA 2.2PF 0.5PF 500V
C622	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C623	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C624	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C625	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C626	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C627	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C628	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C631	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C632	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C641	1-107-042-00	s	CAP, MICA 2.2PF 0.5PF 500V
C642	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C643	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C646	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C651	1-107-042-00	s	CAP, MICA 2.2PF 0.5PF 500V
C652	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C653	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C654	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C655	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C656	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C657	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C658	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C659	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C660	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C661	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C662	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C663	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C664	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C665	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C666	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C667	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C671	1-126-108-11	s	CAP, ELECT 56uF 20% 16V

(IV-20 BOARD, DVPC-1000)

#11201 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
C701	1-124-596-11	s	CAP, ELECT 27uF 20% 16V
C703	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C704	1-124-596-11	s	CAP, ELECT 27uF 20% 16V
C705	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C706	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C707	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C708	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C721	1-124-596-11	s	CAP, ELECT 27uF 20% 16V
C722	1-107-165-00	s	CAP, MICA 56PF 5% 500V
C723	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C724	1-124-596-11	s	CAP, ELECT 27uF 20% 16V
C725	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C726	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C727	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C728	1-126-108-11	s	CAP, ELECT 56uF 20% 16V
C743	1-130-471-00	s	CAP, MYLAR 0.001uF 5% 50V
C744	1-130-471-00	s	CAP, MYLAR 0.001uF 5% 50V
C746	1-130-471-00	s	CAP, MYLAR 0.001uF 5% 50V
C747	1-130-471-00	s	CAP, MYLAR 0.001uF 5% 50V
C751	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C752	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C753	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C754	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C755	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C756	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C757	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C759	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C760	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C762	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C763	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C801	1-102-110-00	s	CAP, CERAMIC 220P 10% 50V
C802	1-102-110-00	s	CAP, CERAMIC 220P 10% 50V
C803	1-102-110-00	s	CAP, CERAMIC 220P 10% 50V
CN049	1-560-178-00	s	RECEP, 6P, MALE
CN101	1-566-388-11	s	CONNECTOR, 8P
CN121	1-566-388-11	s	CONNECTOR, 8P
CN251	1-560-304-00	s	RECEP, IL 8P, MALE
CN252	1-560-305-00	s	RECEP, IL 10P, MALE
CN253	1-560-303-00	s	RECEP, IL 6P, MALE
CN254	1-560-303-00	s	RECEP, IL 6P, MALE
CN255	1-560-304-00	s	RECEP, IL 8P, MALE
CN256	1-560-304-00	s	RECEP, IL 8P, MALE
CN257	1-560-304-00	s	RECEP, IL 8P, MALE
CN258	1-560-303-00	s	RECEP, IL 6P, MALE
CN259	1-560-304-00	s	RECEP, IL 8P, MALE
CN260	1-560-303-00	s	RECEP, IL 6P, MALE
CN261	1-560-303-00	s	RECEP, IL 6P, MALE
CN262	1-560-300-00	s	RECEP, IL 3P, MALE
CN263	1-560-300-00	s	RECEP, IL 3P, MALE
CN274	1-560-300-00	s	RECEP, IL 3P, MALE
CN275	1-560-302-00	s	RECEP, IL 5P, MALE
CN541	1-566-388-11	s	CONNECTOR, 8P
CN542	1-566-388-11	s	CONNECTOR, 8P
CN543	1-566-388-11	s	CONNECTOR, 8P
CN591	1-566-388-11	s	CONNECTOR, 8P
CN592	1-566-388-11	s	CONNECTOR, 8P
CN593	1-566-388-11	s	CONNECTOR, 8P
CN642	1-566-388-11	s	CONNECTOR, 8P
CN643	1-566-388-11	s	CONNECTOR, 8P
D2	8-719-911-19	s	DIODE 1SS119
D3	8-719-109-72	s	DIODE RD3.9 ESB2
D4	8-719-911-19	s	DIODE 1SS119
D5	8-719-102-51	s	DIODE 1SZ51
D52	8-719-911-19	s	DIODE 1SS119
D53	8-719-109-72	s	DIODE RD3.9 ESB2
D54	8-719-911-19	s	DIODE 1SS119
D55	8-719-102-51	s	DIODE 1SZ51
D261	8-719-911-19	s	DIODE 1SS119
D262	8-719-911-19	s	DIODE 1SS119
D361	8-719-109-63	s	DIODE RD3.0 ESB2
D701	8-719-109-75	s	DIODE RD4.3 ESB2
D721	8-719-109-75	s	DIODE RD4.3 ESB2
F1	⚠ 1-532-926-12	s	FUSE, MICRO 10A

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(IV-20 BOARD, DVPC-1000)

#11201 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No	SP	Description
F2	⚠1-532-826-12	s	FUSE, MICRO 10A
F3	⚠1-532-826-12	s	FUSE, MICRO 10A
FB191	1-535-178-00	s	FERRITE BEAD
FB192	1-535-178-00	s	FERRITE BEAD
FB291	1-535-178-00	s	FERRITE BEAD
FB292	1-535-178-00	s	FERRITE BEAD
FB301	1-535-178-00	s	FERRITE BEAD
FB302	1-535-178-00	s	FERRITE BEAD
FB321	1-535-178-00	s	FERRITE BEAD
FB322	1-535-178-00	s	FERRITE BEAD
FB341	1-535-178-00	s	FERRITE BEAD
FB342	1-535-178-00	s	FERRITE BEAD
FB361	1-535-178-00	s	FERRITE BEAD
FB362	1-535-178-00	s	FERRITE BEAD
FB401	1-535-178-00	s	FERRITE BEAD
FB402	1-535-178-00	s	FERRITE BEAD
FB421	1-535-178-00	s	FERRITE BEAD
FB422	1-535-178-00	s	FERRITE BEAD
FB441	1-535-178-00	s	FERRITE BEAD
FB442	1-535-178-00	s	FERRITE BEAD
FB501	1-535-178-00	s	FERRITE BEAD
FB502	1-535-178-00	s	FERRITE BEAD
FB551	1-535-178-00	s	FERRITE BEAD
FB552	1-535-178-00	s	FERRITE BEAD
FB601	1-535-178-00	s	FERRITE BEAD
FB602	1-535-178-00	s	FERRITE BEAD
FB651	1-535-178-00	s	FERRITE BEAD
FB652	1-535-178-00	s	FERRITE BEAD
FB701	1-535-178-00	s	FERRITE BEAD
FB702	1-535-178-00	s	FERRITE BEAD
FB721	1-535-178-00	s	FERRITE BEAD
FB722	1-535-178-00	s	FERRITE BEAD
IC1	8-759-135-80	s	IC UPC358C
IC51	8-759-135-80	s	IC UPC358C
IC101	8-741-122-90	s	IC BX-1229
IC121	8-741-122-90	s	IC BX-1229
IC141	8-741-122-90	s	IC BX-1229
IC201	8-741-122-90	s	IC BX-1229
IC221	8-741-122-90	s	IC BX-1229
IC241	8-741-122-90	s	IC BX-1229
IC261	8-741-122-90	s	IC BX-1229
IC301	8-741-130-60	s	IC BX-1306
IC302	8-741-130-60	s	IC BX-1306
IC303	8-743-651-00	s	IC BX-365A
IC304	8-741-124-41	s	IC BX-1244A
IC305	8-743-661-00	s	IC BX-366A
IC321	8-741-130-60	s	IC BX-1306
IC322	8-741-130-60	s	IC BX-1306
IC323	8-743-651-00	s	IC BX-365A
IC324	8-741-124-41	s	IC BX-1244A
IC325	8-743-661-00	s	IC BX-366A
IC341	8-741-130-60	s	IC BX-1306
IC342	8-741-130-60	s	IC BX-1306
IC343	8-743-651-00	s	IC BX-365A
IC344	8-741-124-41	s	IC BX-1244A
IC345	8-743-661-00	s	IC BX-366A
IC361	8-741-130-60	s	IC BX-1306
IC362	8-741-130-60	s	IC BX-1306
IC363	8-741-130-60	s	IC BX-1306
IC364	8-743-651-00	s	IC BX-365A
IC365	8-741-104-00	s	IC BX-1040
IC366	8-759-108-05	s	IC UPC78L05A
IC367	8-759-103-19	s	IC UPC319C
IC401	8-741-130-60	s	IC BX-1306
IC402	8-741-130-60	s	IC BX-1306
IC404	8-743-661-00	s	IC BX-366A
IC405	8-741-124-41	s	IC BX-1244A
IC421	8-741-130-60	s	IC BX-1306
IC422	8-741-130-60	s	IC BX-1306
IC423	8-741-130-60	s	IC BX-1306
IC424	8-743-661-00	s	IC BX-366A

(IV-20 BOARD, DVPC-1000)

#11201 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No	SP	Description
IC425	8-741-124-41	s	IC BX-1244A
IC441	8-741-130-60	s	IC BX-1306
IC442	8-741-130-60	s	IC BX-1306
IC443	8-741-130-60	s	IC BX-1306
IC444	8-743-661-00	s	IC BX-366A
IC445	8-741-124-41	s	IC BX-1244A
IC501	8-743-651-00	s	IC BX-365A
IC502	8-741-130-60	s	IC BX-1306
IC503	8-743-661-00	s	IC BX-366A
IC504	8-741-124-41	s	IC BX-1244A
IC521	8-743-651-00	s	IC BX-365A
IC522	8-741-130-60	s	IC BX-1306
IC523	8-743-661-00	s	IC BX-366A
IC543	8-743-661-00	s	IC BX-366A
IC551	8-743-651-00	s	IC BX-365A
IC552	8-741-130-60	s	IC BX-1306
IC553	8-743-661-00	s	IC BX-366A
IC554	8-741-124-41	s	IC BX-1244A
IC571	8-743-651-00	s	IC BX-365A
IC572	8-741-130-60	s	IC BX-1306
IC573	8-743-661-00	s	IC BX-366A
IC593	8-743-661-00	s	IC BX-366A
IC601	8-743-651-00	s	IC BX-365A
IC602	8-741-130-60	s	IC BX-1306
IC603	8-743-661-00	s	IC BX-366A
IC604	8-741-124-41	s	IC BX-1244A
IC621	8-743-651-00	s	IC BX-365A
IC622	8-741-130-60	s	IC BX-1306
IC623	8-743-661-00	s	IC BX-366A
IC641	8-743-651-00	s	IC BX-365A
IC643	8-743-661-00	s	IC BX-366A
IC651	8-743-651-00	s	IC BX-365A
IC652	8-741-130-60	s	IC BX-1306
IC653	8-741-130-60	s	IC BX-1306
IC654	8-741-130-60	s	IC BX-1306
IC655	8-741-130-60	s	IC BX-1306
IC656	8-743-661-00	s	IC BX-366A
IC701	8-759-916-65	s	IC SN74HC240N
IC702	8-759-202-11	s	IC TC74HC00P
IC703	8-759-803-70	s	IC LC74HC08
IC705	8-759-916-50	s	IC SN74HC157N
IC706	8-759-011-70	s	IC AM26LS31PC
IC708	8-759-916-65	s	IC SN74HC240N
IC709	8-759-202-89	s	IC TC74HC139P
IC710	8-759-902-40	s	IC SN74LS240N
IC741	8-759-902-21	s	IC SN74LS221N
IC743	8-759-902-21	s	IC SN74LS221N
IC746	8-759-902-21	s	IC SN74LS221N
JS541	1-563-859-11	s	RECEPTACLE CONNECTOR 2P
JS542	1-563-859-11	s	RECEPTACLE CONNECTOR 2P
JS591	1-563-859-11	s	RECEPTACLE CONNECTOR 2P
JS592	1-563-859-11	s	RECEPTACLE CONNECTOR 2P
JS642	1-563-859-11	s	RECEPTACLE CONNECTOR 2P
L1	1-421-370-00	s	COIL, CHOKE
L51	1-421-370-00	s	COIL, CHOKE
L81	1-421-370-00	s	COIL, CHOKE
L361	1-410-513-11	s	INDUCTOR, 22uH 5%
L362	1-410-513-11	s	INDUCTOR, 22uH 5%
L461	1-410-516-41	s	INDUCTOR, 39uH 5%
L701	1-408-414-00	s	INDUCTOR, 27uH 5%
L721	1-408-414-00	s	INDUCTOR, 27uH 5%
Q1	8-729-900-07	s	TRANSISTOR 2SB757-B
Q2	8-729-169-02	s	TRANSISTOR 2SC2690A-Q
Q3	8-729-105-72	s	TRANSISTOR 2SK523-L1
Q51	8-729-984-70	s	TRANSISTOR 2SD847
Q52	8-729-122-02	s	TRANSISTOR 2SA1220-P
Q53	8-729-105-72	s	TRANSISTOR 2SK523-L1
Q201	8-729-105-72	s	TRANSISTOR 2SK523-L1
Q202	8-729-105-72	s	TRANSISTOR 2SK523-L1
Q221	8-729-105-72	s	TRANSISTOR 2SK523-L1

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(IV-20 BOARD, DVPC-1000)

#11201 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
Q222	8-729-105-72	s	TRANSISTOR 2SK523-L1
Q241	8-729-105-72	s	TRANSISTOR 2SK523-L1
Q242	8-729-105-72	s	TRANSISTOR 2SK523-L1
Q261	8-729-105-72	s	TRANSISTOR 2SK523-L1
Q262	8-729-105-72	s	TRANSISTOR 2SK523-L1
Q461	8-729-110-52	s	TRANSISTOR 2SA1005-L
Q701	8-729-173-38	s	TRANSISTOR 2SA733-K
Q702	8-729-169-02	s	TRANSISTOR 2SC2690A-Q
Q703	8-729-122-02	s	TRANSISTOR 2SA1220-P
Q721	8-729-173-38	s	TRANSISTOR 2SA733-K
Q722	8-729-169-02	s	TRANSISTOR 2SC2690A-Q
Q723	8-729-122-02	s	TRANSISTOR 2SA1220-P
R1	⚠ 1-205-901-11	s	RES, WIRE-WOUND 2.7 10% 5W
R3	1-207-612-00	s	RES, WIRE-WOUND 0.1 10% 2W
R52	⚠ 1-205-901-11	s	RES, WIRE-WOUND 2.7 10% 5W
R53	1-207-612-00	s	RES, WIRE-WOUND 0.1 10% 2W
R713	1-214-105-00	s	RES, METAL 75 1% 1/4W
R714	1-214-105-00	s	RES, METAL 75 1% 1/4W
R732	1-215-373-31	s	RES, METAL 10 1% 1/6W
R733	1-214-105-00	s	RES, METAL 62 1% 1/4W
R734	1-214-105-00	s	RES, METAL 75 1% 1/4W
RB1	1-231-451-00	s	BLOCK, RES, 3.3K×8
RB2	1-231-521-00	s	BLOCK, RES, 3.3K×4
RB3	1-231-451-00	s	BLOCK, RES, 3.3K×8
RB4	1-231-451-00	s	BLOCK, RES, 3.3K×8
RB5	1-231-521-00	s	BLOCK, RES, 3.3K×4
RV1	1-224-937-00	s	RES, ADJ METAL 1K
RV2	1-224-939-00	s	RES, ADJ METAL 5K
RV51	1-224-937-00	s	RES, ADJ METAL 1K
RV52	1-224-939-00	s	RES, ADJ METAL 5K
RV101	1-224-935-00	s	RES, ADJ METAL 200
RV121	1-224-935-00	s	RES, ADJ METAL 200
RV141	1-224-935-00	s	RES, ADJ METAL 200
RV201	1-224-935-00	s	RES, ADJ METAL 200
RV221	1-224-935-00	s	RES, ADJ METAL 200
RV241	1-224-935-00	s	RES, ADJ METAL 200
RV301	1-224-934-00	s	RES, ADJ METAL 100
RV321	1-224-934-00	s	RES, ADJ METAL 100
RV341	1-224-934-00	s	RES, ADJ METAL 100
RV461	1-224-936-00	s	RES, ADJ METAL 500
RV462	1-224-942-00	s	RES, ADJ METAL 50K
RV501	1-224-935-00	s	RES, ADJ METAL 200
RV503	1-224-934-00	s	RES, ADJ METAL 100
RV522	1-224-935-00	s	RES, ADJ METAL 200
RV523	1-224-934-00	s	RES, ADJ METAL 100
RV524	1-224-941-00	s	RES, ADJ METAL 20K
RV541	1-224-935-00	s	RES, ADJ METAL 200
RV551	1-224-935-00	s	RES, ADJ METAL 200
RV553	1-224-934-00	s	RES, ADJ METAL 100
RV572	1-224-935-00	s	RES, ADJ METAL 200
RV573	1-224-934-00	s	RES, ADJ METAL 100
RV574	1-224-941-00	s	RES, ADJ METAL 20K
RV591	1-224-935-00	s	RES, ADJ METAL 200
RV601	1-224-935-00	s	RES, ADJ METAL 200
RV603	1-224-934-00	s	RES, ADJ METAL 100
RV622	1-224-935-00	s	RES, ADJ METAL 200
RV623	1-224-934-00	s	RES, ADJ METAL 100
RV624	1-224-941-00	s	RES, ADJ METAL 20K
RV641	1-224-935-00	s	RES, ADJ METAL 200
RV651	1-224-935-00	s	RES, ADJ METAL 200
RV652	1-224-934-00	s	RES, ADJ METAL 100

IV-21 BOARD, DVPC-1000

#11201 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6011-122-A	o	COMPLETE PCB, IV-21

(This assembly includes the following parts.)

Ref. No. or Qty	Part No.	SP	Description
8pc	7-628-253-10	s	SCREW, +PS 2X5
C801	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C802	1-123-356-00	s	CAP, ELECT 10uF 20% 25V
C803	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C804	1-123-356-00	s	CAP, ELECT 10uF 20% 25V
C821	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C822	1-123-356-00	s	CAP, ELECT 10uF 20% 25V
C823	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C824	1-123-356-00	s	CAP, ELECT 10uF 20% 25V
C841	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C842	1-123-356-00	s	CAP, ELECT 10uF 20% 25V
C843	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C844	1-123-356-00	s	CAP, ELECT 10uF 20% 25V
C861	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C862	1-123-356-00	s	CAP, ELECT 10uF 20% 25V
C863	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C864	1-123-356-00	s	CAP, ELECT 10uF 20% 25V
C881	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C882	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C883	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C884	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C885	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C886	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C887	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C888	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C889	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C890	1-124-599-00	s	CAP, ELECT 220uF 20% 25V
C891	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C892	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C893	1-124-478-11	s	CAP, ELECT 100uF 20% 25V
C894	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C895	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C896	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C897	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C898	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C899	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C900	1-162-781-11	s	CAP, CERAMIC 0.022uF 50V
C901	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C902	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C903	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C904	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C906	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C907	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C908	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C909	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C911	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C912	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C913	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C914	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C916	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C917	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C918	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C919	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C921	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C922	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C923	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C924	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C926	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C927	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C928	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C929	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C931	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C932	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C933	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C934	1-107-077-00	s	CAP, MICA 47PF 5% 50V

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(IV-21 BOARD, DVPC-1000)

#11201 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
C936	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C938	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C939	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C941	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C942	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C943	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C944	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C946	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C947	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C948	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C949	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C951	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C952	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C953	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C954	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C956	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C957	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C958	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C959	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C961	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C962	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C963	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C964	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C966	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C967	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C968	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C969	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C971	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C972	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C973	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C974	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C976	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C977	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C978	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C979	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C981	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C982	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C983	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C984	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C986	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C987	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C988	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C989	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C991	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C992	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C993	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C994	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C996	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C997	1-107-077-00	s	CAP, MICA 47PF 5% 50V
C998	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
C999	1-162-810-11	s	CAP, CERAMIC 0.22uF 50V
CN048	1-560-723-00	s	RECEP, 6P, MALE
CN264	1-560-315-00	s	RECEP, IL 12P, MALE
CN265	1-560-315-00	s	RECEP, IL 12P, MALE
CN266	1-560-309-00	s	RECEP, IL 3P, MALE
CN267	1-560-309-00	s	RECEP, IL 3P, MALE
CN268	1-560-309-00	s	RECEP, IL 3P, MALE
CN269	1-560-309-00	s	RECEP, IL 3P, MALE
CN270	1-560-303-00	s	RECEP, IL 6P, MALE
CN271	1-560-303-00	s	RECEP, IL 6P, MALE
CN272	1-560-757-00	s	RECEP, 26P, MALE
CN273	1-560-870-00	s	HEADER, PIN 30P
CN801	1-566-385-11	s	PIN, CONNECTOR 2P
CN802	1-566-385-11	s	PIN, CONNECTOR 2P
CN803	1-566-385-11	s	PIN, CONNECTOR 2P
CN804	1-566-385-11	s	PIN, CONNECTOR 2P
CN805	1-566-385-11	s	PIN, CONNECTOR 2P
CN806	1-566-385-11	s	PIN, CONNECTOR 2P
CN821	1-566-385-11	s	PIN, CONNECTOR 2P
CN822	1-566-385-11	s	PIN, CONNECTOR 2P

(IV-21 BOARD, DVPC-1000)

#11201 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
CN823	1-566-385-11	s	PIN, CONNECTOR 2P
CN824	1-566-385-11	s	PIN, CONNECTOR 2P
CN825	1-566-385-11	s	PIN, CONNECTOR 2P
CN826	1-566-385-11	s	PIN, CONNECTOR 2P
CN841	1-566-385-11	s	PIN, CONNECTOR 2P
CN842	1-566-385-11	s	PIN, CONNECTOR 2P
CN843	1-566-385-11	s	PIN, CONNECTOR 2P
CN844	1-566-385-11	s	PIN, CONNECTOR 2P
CN845	1-566-385-11	s	PIN, CONNECTOR 2P
CN846	1-566-385-11	s	PIN, CONNECTOR 2P
CN861	1-566-385-11	s	PIN, CONNECTOR 2P
CN862	1-566-385-11	s	PIN, CONNECTOR 2P
CN863	1-566-385-11	s	PIN, CONNECTOR 2P
CN864	1-566-385-11	s	PIN, CONNECTOR 2P
CN865	1-566-385-11	s	PIN, CONNECTOR 2P
CN866	1-566-385-11	s	PIN, CONNECTOR 2P
IC801	8-759-900-72	s	IC NE5532P
IC821	8-759-900-72	s	IC NE5532P
IC841	8-759-900-72	s	IC NE5532P
IC861	8-759-900-72	s	IC NE5532P
IC881	8-759-982-15	s	IC RC7815FA
IC882	8-759-982-41	s	IC RC7915FA
IC901	8-759-926-32	s	IC AM26LS32PC
IC902	8-759-912-12	s	IC SN74ALS240AN
IC903	8-759-912-12	s	IC SN74ALS240AN
IC904	8-759-926-32	s	IC AM26LS32PC
IC905	8-759-926-31	s	IC AM26LS31PC
IC906	8-759-912-12	s	IC SN74ALS240AN
IC907	8-759-926-31	s	IC AM26LS31PC
IC908	8-759-912-12	s	IC SN74ALS240AN
IC909	8-759-926-31	s	IC AM26LS31PC
ICP901	8-759-107-45	s	IC UPA54HA
ICP902	8-759-107-45	s	IC UPA54HA
ICP903	8-759-107-46	s	IC UPA64HA
ICP904	8-759-107-46	s	IC UPA64HA
ICP905	8-759-107-45	s	IC UPA54HA
ICP906	8-759-107-45	s	IC UPA54HA
ICP907	8-759-107-46	s	IC UPA64HA
ICP908	8-759-107-46	s	IC UPA64HA
ICP909	8-759-107-45	s	IC UPA54HA
ICP910	8-759-107-45	s	IC UPA54HA
ICP911	8-759-107-46	s	IC UPA64HA
ICP912	8-759-107-46	s	IC UPA64HA
ICP913	8-759-107-45	s	IC UPA54HA
ICP914	8-759-107-45	s	IC UPA54HA
ICP915	8-759-107-46	s	IC UPA64HA
ICP916	8-759-107-46	s	IC UPA64HA
ICP917	8-759-107-45	s	IC UPA54HA
ICP918	8-759-107-45	s	IC UPA54HA
ICP919	8-759-107-46	s	IC UPA64HA
ICP920	8-759-107-46	s	IC UPA64HA
JS801	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS804	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS805	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS821	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS824	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS825	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS841	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS844	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS845	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS861	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS864	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS865	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
L881	1-421-370-00	s	COIL, CHOKE
L882	1-421-370-00	s	COIL, CHOKE
L893	1-421-370-00	s	COIL, CHOKE
R801	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R802	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R803	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R804	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(IV-21 BOARD, DVPC-1000)

#11201 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
R841	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R842	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R843	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R844	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R845	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R846	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R861	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R862	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R863	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R864	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R865	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
R866	1-214-866-00	s	RES, METAL 1.2K 1% 1/2W
RV801	1-230-749-11	s	RES, VAR, CERMET 5K
RV821	1-230-749-11	s	RES, VAR, CERMET 5K
RV841	1-230-749-11	s	RES, VAR, CERMET 5K
RV861	1-230-749-11	s	RES, VAR, CERMET 5K
T801	1-423-189-00	s	TRANSFORMER, INPUT
T821	1-423-189-00	s	TRANSFORMER, INPUT
T841	1-423-189-00	s	TRANSFORMER, INPUT
T861	1-423-189-00	s	TRANSFORMER, INPUT

LE-51 BOARD, DVPC-1000

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6025-111-A	o	COMPLETE PCB, LE-51

(This assembly includes the following parts.)

Ref. No. or Qty	Part No.	SP	Description
BZ1	1-529-010-00	s	BUZZER
C1	1-131-372-00	s	CAP, TANT 15uF 10% 16V
C4	1-124-255-00	s	CAP, ELECT 1uF 20% 50V
C5	1-124-255-00	s	CAP, ELECT 1uF 20% 50V
C6	1-130-483-00	s	CAP, MYLAR 0.01uF 5% 50V
CN004M	1-560-756-00	o	RECEP, 20P, MALE
D1	8-719-901-48	s	DIODE LT-9010N
D2	8-719-901-48	s	DIODE LT-9010N
D3	8-719-901-48	s	DIODE LT-9010N
D4	8-719-901-48	s	DIODE LT-9010N
D5	8-719-901-48	s	DIODE LT-9010N
D6	8-719-901-47	s	DIODE LT-9010D
IC1	8-759-900-00	s	IC SN74LS00N
IC2	8-759-902-40	s	IC SN74LS240N
IC3	8-759-700-81	s	IC NJM555D
IC4	8-759-700-81	s	IC NJM555D
R1	1-247-750-11	s	RES, CARBON 680 5% 1/2W
R2	1-247-750-11	s	RES, CARBON 680 5% 1/2W
R3	1-247-737-11	s	RES, CARBON 68 5% 1/2W
R4	1-247-737-11	s	RES, CARBON 68 5% 1/2W
R6	1-247-746-11	s	RES, CARBON 390 5% 1/2W
R7	1-249-405-11	s	RES, CARBON 100 5% 1/6W
R8	1-249-405-11	s	RES, CARBON 100 5% 1/6W
R9	1-249-405-11	s	RES, CARBON 100 5% 1/6W
R10	1-249-423-11	s	RES, CARBON 3.3K 5% 1/6W
R13	1-249-430-11	s	RES, CARBON 12K 5% 1/6W
R14	1-249-430-11	s	RES, CARBON 12K 5% 1/6W
R15	1-249-411-11	s	RES, CARBON 330 5% 1/6W
R16	1-249-423-11	s	RES, CARBON 3.3K 5% 1/6W
R17	1-249-423-11	s	RES, CARBON 3.3K 5% 1/6W
R18	1-249-423-11	s	RES, CARBON 3.3K 5% 1/6W

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

MB-132 BOARD, DVPC-1000

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6025-110-A	o	COMPLETE PCB, MB-132
(This assembly includes the following parts.)			
102pc	7-622-207-05	s	N 2.6, TYPE 2
102pc	7-628-254-20	s	SCREW, +PSW, 2.6X8
CN022M	1-560-300-00	o	RECEP, IL 3P, MALE
CN023M	1-560-300-00	o	RECEP, IL 3P, MALE
CN024M	1-560-300-00	o	RECEP, IL 3P, MALE
CN043M	1-560-178-00	o	RECEP, 6P, MALE
CN045M	1-564-943-11	o	RECEP, 12P, MALE
CN701F	1-563-337-11	s	RECEP, DIN 96P, FEMALE
CN702F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN703F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN704F	1-563-337-11	s	RECEP, DIN 96P, FEMALE
CN705F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN706F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN707F	1-563-337-11	s	RECEP, DIN 96P, FEMALE
CN708F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN709F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN710F	1-563-337-11	s	RECEP, DIN 96P, FEMALE
CN711F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN712F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN713F	1-563-337-11	s	RECEP, DIN 96P, FEMALE
CN714F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN715F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN716F	1-563-337-11	s	RECEP, DIN 96P, FEMALE
CN717F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN718F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN719F	1-563-337-11	s	RECEP, DIN 96P, FEMALE
CN720F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN721F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN722F	1-563-337-11	s	RECEP, DIN 96P, FEMALE
CN723F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN724F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN725F	1-563-337-11	s	RECEP, DIN 96P, FEMALE
CN726F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN727F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN728F	1-563-337-11	s	RECEP, DIN 96P, FEMALE
CN729F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN730F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN731F	1-563-337-11	s	RECEP, DIN 96P, FEMALE
CN732F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN733F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN734F	1-563-337-11	s	RECEP, DIN 96P, FEMALE
CN735F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN736F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN737F	1-563-337-11	s	RECEP, DIN 96P, FEMALE
CN738F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN739F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN740F	1-563-337-11	s	RECEP, DIN 96P, FEMALE
CN741F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN742F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN743F	1-563-337-11	s	RECEP, DIN 96P, FEMALE
CN744F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN745F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN751M	1-560-731-00	o	RECEP, 50P, MALE
CN752M	1-560-731-00	o	RECEP, 50P, MALE
CN753M	1-560-727-00	o	RECEP, 26P, MALE
CN754M	1-560-728-00	o	RECEP, 30P, MALE
CN755M	1-560-726-00	o	RECEP, 20P, MALE
CN757M	1-560-306-00	o	RECEP, IL 12P, MALE
CN759M	1-560-306-00	o	RECEP, IL 12P, MALE
CN760M	1-560-306-00	o	RECEP, IL 12P, MALE
CN762M	1-560-306-00	o	RECEP, IL 12P, MALE
CN763M	1-560-306-00	o	RECEP, IL 12P, MALE
CN764M	1-560-305-00	o	RECEP, IL 10P, MALE
CN765M	1-560-301-00	o	RECEP, IL 4P, MALE
CN770M	1-560-303-00	o	RECEP, IL 6P, MALE
CN771M	1-560-304-00	o	RECEP, IL 8P, MALE
CN772M	1-560-304-00	o	RECEP, IL 8P, MALE
CN773M	1-560-303-00	o	RECEP, IL 6P, MALE
CN774M	1-560-303-00	o	RECEP, IL 6P, MALE
CN787F	1-563-337-11	s	RECEP, DIN 96P, FEMALE

(MB-132 BOARD, DVPC-1000)

Ref. No. or Qty	Part No.	SP	Description
CN788F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN789F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN793F	1-563-337-11	s	RECEP, DIN 96P, FEMALE
CN794F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
CN795F	1-563-335-11	s	RECEP, DIN 48P, FEMALE
RB1	1-235-411-11	s	RESISTOR BLOCK, 820X8
RB2	1-231-404-00	s	RESISTOR BLOCK, 680X8
RB3	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB4	1-231-400-00	s	RESISTOR BLOCK, 390X8
RB5	1-231-404-00	s	RESISTOR BLOCK, 680X8
RB6	1-235-411-11	s	RESISTOR BLOCK, 820X8
RB7	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB8	1-231-400-00	s	RESISTOR BLOCK, 390X8
RB9	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB10	1-231-400-00	s	RESISTOR BLOCK, 390X8
RB11	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB12	1-231-400-00	s	RESISTOR BLOCK, 390X8
RB13	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB14	1-231-400-00	s	RESISTOR BLOCK, 390X8
RB15	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB16	1-231-400-00	s	RESISTOR BLOCK, 390X8
RB17	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB18	1-231-400-00	s	RESISTOR BLOCK, 390X8

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

PE-18 BOARD, DVPC-1000

Ref. No. or Qty	Part No.	SP	Descripton
1pc	1-620-916-11	o	PC BOARD, PE-18 WITHOUT COMPONENT
CN206M	1-506-481-11	o	RECEP, 2P, MALE
D1	8-719-919-67	s	DIODE GL-9PG2

PG-13 BOARD, DVPC-1000

#10001 TO 10599 (J)
#10001 TO 10799 (UK)
#10001 TO 10799 (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6019-003-A	o	COMPLETE PCB, PG-13

(This assembly includes the following parts.)

Ref. No. or Qty	Part No.	SP	Description
1pc	3-715-721-21	o	LABEL (2), SERIAL NUMBER
2pcs	3-673-249-00	o	LEVER, PC BOARD
2pcs	7-621-775-10	s	SCREW, +B 2.6X4
2pcs	7-626-320-11	o	PIN, SPRING 3X8
2pcs	7-628-254-20	s	SCREW, +PSW, 2.6X8
4pcs	7-682-647-09	s	SCREW, +PS 3X6
4pcs	7-684-023-04	s	N 3, TYPE 2
6pcs	7-628-253-40	s	SCREW, +PS 2X10
21pcs	7-628-254-10	s	SCREW, +PSW, 2.6X6
C3	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C6	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C8	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C9	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C103	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C109	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C112	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C114	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C116	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C127	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C130	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C131	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C140	1-131-341-00	s	CAP, TANT 0.1uF 10% 35V
C144	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C147	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C148	1-130-728-00	s	CAP, PP FILM 0.0022uF 1% 100V
C149	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C152	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
CN101M	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103M	1-506-746-11	s	RECEP, DIN 48P, MALE
D6	8-719-100-13	s	DIODE RD2.7E-B2
D7	8-719-100-13	s	DIODE RD2.7E-B2
F1	⚠ 1-532-926-12	s	FUSE, MICRO 10A
ICA2	8-759-203-52	s	IC TC74HC595P
ICA3	8-759-203-52	s	IC TC74HC595P
ICA4	8-759-203-52	s	IC TC74HC595P
ICA5	8-759-203-52	s	IC TC74HC595P
ICA6	8-759-202-27	s	IC TC74HC157P
ICA7	8-759-202-27	s	IC TC74HC157P
ICA8	8-759-202-27	s	IC TC74HC157P
ICA9	8-759-202-27	s	IC TC74HC157P
ICA10	8-759-202-14	s	IC TC74HC08P
ICA11	8-759-000-99	s	IC MC74HC74N
ICA12	8-759-202-21	s	IC TC74HC32P
ICA16	8-759-202-55	s	IC TC74HC244P
ICA17	8-759-202-55	s	IC TC74HC244P
ICA18	8-759-203-36	s	IC TC74HC374P
ICA19	8-759-203-36	s	IC TC74HC374P
ICA20	8-759-203-36	s	IC TC74HC374P
ICA21	8-759-000-99	s	IC MC74HC74N
ICB2	8-759-202-24	s	IC TC74HC86P
ICB3	8-759-202-24	s	IC TC74HC86P
ICB4	8-759-903-97	s	IC SN74LS684N
ICB5	8-759-918-33	s	IC CX20160
ICB6	8-759-203-36	s	IC TC74HC374P
ICB7	8-759-203-36	s	IC TC74HC374P
ICB8	8-759-203-36	s	IC TC74HC374P
ICB9	8-759-203-36	s	IC TC74HC374P
ICB10	8-752-304-30	s	IC CX23043
ICB11	8-759-777-68	s	IC MB7226RA-PG13022
ICB12	8-759-777-20	s	IC MB7232RA-PG13073
ICB13	8-759-915-25	s	IC CX23033
ICB14	8-759-915-25	s	IC CX23033
ICB15	8-759-912-12	s	IC SN74ALS240AN
ICB16	8-759-203-36	s	IC TC74HC374P
ICB18	8-759-777-60	s	IC MBL8742H-PG130911
ICB19	8-759-202-26	s	IC TC74HC138P
ICB20	8-759-203-36	s	IC TC74HC374P
ICC2	8-759-202-24	s	IC TC74HC86P
ICC3	8-759-202-24	s	IC TC74HC86P

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(PG-13 BOARD, DVPC-1000)

#10001 TO 10599 (J)
#10001 TO 10799 (UC)
#10001 TO 10799 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICC4	8-759-903-97	s	IC SN74LS684N
ICC5	8-759-918-33	s	IC CX20160
ICC6	8-759-203-36	s	IC TC74HC374P
ICC7	8-759-203-36	s	IC TC74HC374P
ICC8	8-759-203-36	s	IC TC74HC374P
ICC9	8-759-203-36	s	IC TC74HC374P
ICC10	8-759-202-74	s	IC TC74HC04P
ICC11	8-759-774-15	s	IC MB7226RA-PG13041
ICC12	8-759-779-55	s	IC MB7226RA-PG13014
ICC13	8-759-202-27	s	IC TC74HC157P
ICC14	8-759-918-33	s	IC CX20160
ICC15	8-759-202-27	s	IC TC74HC157P
ICC16	8-759-202-32	s	IC TC74HC163P
ICC17	8-759-908-71	s	IC SN74ALS244AN
ICC19	8-759-103-88	s	IC uPD82C43CY
ICC20	8-759-203-36	s	IC TC74HC374P
ICD2	8-759-900-04	s	IC SN74LS04N
ICD3	8-759-203-52	s	IC TC74HC595P
ICD4	8-759-203-52	s	IC TC74HC595P
ICD5	8-759-203-52	s	IC TC74HC595P
ICD6	8-759-203-52	s	IC TC74HC595P
ICD7	8-759-203-52	s	IC TC74HC595P
ICD8	8-759-203-52	s	IC TC74HC595P
ICD9	8-759-203-52	s	IC TC74HC595P
ICD10	8-759-203-52	s	IC TC74HC595P
ICD11	8-759-202-21	s	IC TC74HC32P
ICD13	8-752-304-30	s	IC CX23043
ICD14	8-759-904-38	s	IC SN74ALS32N
ICD15	8-759-776-24	s	IC MB7226RA-PG13062
ICD16	8-759-202-74	s	IC TC74HC04P
ICD17	8-759-202-33	s	IC TC74HC240P
ICD18	8-759-203-54	s	IC TC74HC640P
ICD19	8-759-203-61	s	IC TC74HC688P
ICD20	8-759-202-33	s	IC TC74HC240P
ICE3	8-759-203-36	s	IC TC74HC374P
ICE4	8-759-203-36	s	IC TC74HC374P
ICE5	8-759-203-36	s	IC TC74HC374P
ICE6	8-759-203-36	s	IC TC74HC374P
ICE7	8-759-203-36	s	IC TC74HC374P
ICE8	8-759-203-36	s	IC TC74HC374P
ICE9	8-759-203-36	s	IC TC74HC374P
ICE10	8-759-203-36	s	IC TC74HC374P
ICE11	8-759-202-32	s	IC TC74HC163P
ICE12	8-759-777-00	s	IC MBM27C256-PG13081
ICE13	8-759-203-36	s	IC TC74HC374P
ICE14	8-759-776-23	s	IC MB7226RA-PG13052
ICE15	8-759-000-99	s	IC MC74HC74N
ICE16	8-759-002-01	s	IC MC74F157N
ICE17	8-759-202-32	s	IC TC74HC163P
ICE18	8-759-202-32	s	IC TC74HC163P
ICE19	8-759-202-74	s	IC TC74HC04P
ICE20	8-759-926-32	s	IC AM26LS32PC
ICF1	8-759-171-05	s	IC uPC7805H
ICF3	8-759-202-11	s	IC TC74HC00P
ICF5	8-759-921-06	s	IC PCM53JP-I
ICF7	8-759-203-52	s	IC TC74HC595P
ICF8	8-759-203-52	s	IC TC74HC595P
ICF9	8-759-925-03	s	IC SM5800
ICF11	8-759-004-84	s	IC MC74HC597N
ICF12	8-759-203-52	s	IC TC74HC595P
ICF13	8-759-203-52	s	IC TC74HC595P
ICF14	8-759-925-03	s	IC SM5800
ICF16	8-759-004-84	s	IC MC74HC597N
ICF17	8-759-202-32	s	IC TC74HC163P
ICF18	8-759-202-32	s	IC TC74HC163P
ICF19	8-759-776-17	s	IC MB7226RA-PG13032
ICF20	8-759-926-31	s	IC AM26LS31PC
ICG1	8-759-179-05	s	IC uPC7905H
ICG3	8-759-140-66	s	IC uPD4066BC
ICG5	8-759-108-96	s	IC uPC811C

(PG-13 BOARD, DVPC-1000)

#10001 TO 10599 (J)
#10001 TO 10799 (UC)
#10001 TO 10799 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICG7	8-759-203-52	s	IC TC74HC595P
ICG8	8-759-203-52	s	IC TC74HC595P
ICG11	8-759-004-84	s	IC MC74HC597N
ICG12	8-759-203-52	s	IC TC74HC595P
ICG13	8-759-203-52	s	IC TC74HC595P
ICG16	8-759-004-84	s	IC MC74HC597N
ICG17	8-759-000-99	s	IC MC74HC74N
ICG18	8-759-202-74	s	IC TC74HC04P
ICG19	8-759-202-74	s	IC TC74HC04P
ICG20	8-759-203-36	s	IC TC74HC374P
ICH1	8-759-179-15	s	IC uPC7915H
ICH7	8-759-203-52	s	IC TC74HC595P
ICH8	8-759-203-52	s	IC TC74HC595P
ICH9	8-759-925-03	s	IC SM5800
ICH11	8-759-004-84	s	IC MC74HC597N
ICH12	8-759-203-52	s	IC TC74HC595P
ICH13	8-759-203-52	s	IC TC74HC595P
ICH14	8-759-925-03	s	IC SM5800
ICH16	8-759-004-84	s	IC MC74HC597N
ICH17	8-759-001-26	s	IC MC74HC112N
ICH18	8-759-203-40	s	IC TC74HC393P
ICH19	8-759-202-11	s	IC TC74HC00P
ICH20	8-759-908-71	s	IC SN74ALS244AN
ICJ1	8-759-171-15	s	IC uPC7815H
ICJ3	8-759-900-72	s	IC NE5532P
ICJ5	8-759-900-72	s	IC NE5532P
ICJ7	8-759-203-52	s	IC TC74HC595P
ICJ8	8-759-203-52	s	IC TC74HC595P
ICJ11	8-759-004-84	s	IC MC74HC597N
ICJ12	8-759-203-52	s	IC TC74HC595P
ICJ13	8-759-203-52	s	IC TC74HC595P
ICJ16	8-759-004-84	s	IC MC74HC597N
ICJ17	8-759-906-24	s	IC SN74LS624N
ICJ18	8-759-918-71	s	IC CX23065
ICJ19	8-759-202-27	s	IC TC74HC157P
ICJ20	8-759-203-36	s	IC TC74HC374P
JP1	1-560-733-00	s	PIN, SHORT
JP2	1-560-733-00	s	PIN, SHORT
JS2	1-561-832-00	s	SOCKET, SHORT
L1	1-421-370-00	s	COIL, CHOKE
L2	1-421-370-00	s	COIL, CHOKE
L3	1-421-370-00	s	COIL, CHOKE
L4	1-421-370-00	s	COIL, CHOKE
L5	1-421-370-00	s	COIL, CHOKE
L6	1-421-370-00	s	COIL, CHOKE
LPF1	1-235-535-11	s	FILTER, LOW-PASS 20KHz
R4	⚠ 1-205-895-11	s	RES, CEMENT 39 10% 5W
R5	⚠ 1-205-895-11	s	RES, CEMENT 39 10% 5W
R36	1-249-748-11	s	RES, CARBON 1.8M 5% 1/4W
RB1	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB2	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB3	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB4	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB5	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB6	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB7	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB8	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB9	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB10	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB11	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB12	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB13	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB14	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB15	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB16	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB17	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB18	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB19	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB20	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB21	1-231-410-00	s	RESISTOR BLOCK, 10KX8

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(PG-13 BOARD, DVPC-1000)

#10001 TO 10599 (J)
#10001 TO 10799 (UC)
#10001 TO 10799 (EK)

Ref. No. or Qty	Part No.	SP	Description
RB22	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB23	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB24	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB25	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB26	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB27	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB28	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RV2	1-224-939-00	s	RES, VAR, METAL 5K
S1	1-554-080-00	s	SWITCH, ROTARY
S2	1-570-623-11	s	SWITCH, DIP 4CKT
S3	1-570-623-11	s	SWITCH, DIP 4CKT
S4	1-554-397-21	s	SWITCH, TOGGLE
S5	1-554-397-21	s	SWITCH, TOGGLE
X1	1-527-828-00	s	CRYSTAL 12.000MHz

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

PG-13 BOARD, DVPC-1000)

#10601 & UP (J)
#10801 & UP (UC)
#10801 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6019-003-A	o	COMPLETE PCB, PG-13

(This assembly includes the following parts.)

Ref. No. or Qty	Part No.	SP	Description
1pc	3-715-721-21	o	LABEL (2), SERIAL NUMBER
2pcs	3-673-249-00	o	LEVER, PC BOARD
2pcs	7-621-775-10	s	SCREW, +B 2.6X4
2pcs	7-626-320-11	o	PIN, SPRING 3X8
2pcs	7-628-254-20	s	SCREW, +PSW, 2.6X8
4pcs	7-682-647-09	s	SCREW, +PS 3X6
4pcs	7-684-023-04	s	N 3, TYPE 2
6pcs	7-628-253-40	s	SCREW, +PS 2X10
21pcs	7-628-254-10	s	SCREW, +PSW, 2.6X6
CN1	1-566-385-11	s	PIN, CONNECTOR 2P
C3	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C6	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C8	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C9	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C103	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C109	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C112	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C114	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C116	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C127	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C130	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C131	1-124-944-11	s	CAP, ELECT 82uF 20% 25V
C140	1-131-341-00	s	CAP, TANT 0.1uF 10% 35V
C144	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C147	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C148	1-130-728-00	s	CAP, PP FILM 0.0022uF 1% 100V
C149	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
C152	1-123-356-00	s	CAP, ELECT 10uF 20% 50V
CN101M	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103M	1-506-746-11	s	RECEP, DIN 48P, MALE
D6	8-719-100-13	s	DIODE RD2.7E-B2
D7	8-719-100-13	s	DIODE RD2.7E-B2
F1	⚠ 1-576-031-11	s	FUSE, MICRO 10A
FB1	1-535-178-00	s	FERRITE BEAD
FB2	1-535-178-00	s	FERRITE BEAD
FB3	1-535-178-00	s	FERRITE BEAD
FB4	1-535-178-00	s	FERRITE BEAD
ICA2	8-759-001-63	s	IC MC74HC595N
ICA3	8-759-001-63	s	IC MC74HC595N
ICA4	8-759-001-63	s	IC MC74HC595N
ICA5	8-759-001-63	s	IC MC74HC595N
ICA6	8-759-916-50	s	IC SN74HC157N
ICA7	8-759-916-50	s	IC SN74HC157N
ICA8	8-759-916-50	s	IC SN74HC157N
ICA9	8-759-916-50	s	IC SN74HC157N
ICA10	8-759-803-70	s	IC LC74HC08
ICA11	8-759-916-29	s	IC SN74HC74N
ICA12	8-759-202-21	s	IC TC74HC32P
ICA16	8-759-202-55	s	IC TC74HC244P
ICA17	8-759-202-55	s	IC TC74HC244P
ICA18	8-759-203-36	s	IC TC74HC374P
ICA19	8-759-203-36	s	IC TC74HC374P
ICA20	8-759-203-36	s	IC TC74HC374P
ICA21	8-759-916-29	s	IC SN74HC74N
ICB2	8-759-202-24	s	IC TC74HC86P
ICB3	8-759-202-24	s	IC TC74HC86P
ICB4	8-759-903-97	s	IC SN74LS684N
ICB5	8-759-918-33	s	IC CX20160
ICB6	8-759-203-36	s	IC TC74HC374P
ICB7	8-759-203-36	s	IC TC74HC374P
ICB8	8-759-203-36	s	IC TC74HC374P
ICB9	8-759-203-36	s	IC TC74HC374P
ICB10	8-752-304-30	s	IC CX23043
ICB11	8-759-777-68	s	IC MB7226RA-PG13022
ICB12	8-759-780-48	s	IC MB7226RA-PG13101
ICB13	8-759-915-25	s	IC CX23033
ICB14	8-759-915-25	s	IC CX23033
ICB15	8-759-912-12	s	IC SN74ALS240AN
ICB16	8-759-203-36	s	IC TC74HC374P

(PG-13 BOARD, DVPC-1000)

#10601 & UP (J)
#10801 & UP (UC)
#10801 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICB18	8−759−777−60	s	IC MBL8742H−PG130911
ICB19	8−759−202−26	s	IC TC74HC138P
ICB20	8−759−203−36	s	IC TC74HC374P
ICC2	8−759−202−24	s	IC TC74HC86P
ICC3	8−759−202−24	s	IC TC74HC86P
ICC4	8−759−903−97	s	IC SN74LS684N
ICC5	8−759−918−33	s	IC CX20160
ICC6	8−759−203−36	s	IC TC74HC374P
ICC7	8−759−203−36	s	IC TC74HC374P
ICC8	8−759−203−36	s	IC TC74HC374P
ICC9	8−759−203−36	s	IC TC74HC374P
ICC10	8−759−202−74	s	IC TC74HC04P
ICC11	8−759−774−15	s	IC MB7226RA−PG13041
ICC12	8−759−779−55	s	IC MB7226RA−PG13014
ICC13	8−759−916−50	s	IC SN74HC157N
ICC14	8−759−918−33	s	IC CX20160
ICC15	8−759−916−50	s	IC SN74HC157N
ICC17	8−759−908−71	s	IC SN74ALS244AN
ICC19	8−759−103−88	s	IC uPD82C43CY
ICC20	8−759−203−36	s	IC TC74HC374P
ICD3	8−759−001−63	s	IC MC74HC595N
ICD4	8−759−001−63	s	IC MC74HC595N
ICD5	8−759−001−63	s	IC MC74HC595N
ICD6	8−759−001−63	s	IC MC74HC595N
ICD7	8−759−001−63	s	IC MC74HC595N
ICD8	8−759−001−63	s	IC MC74HC595N
ICD9	8−759−001−63	s	IC MC74HC595N
ICD10	8−759−001−63	s	IC MC74HC595N
ICD11	8−759−202−21	s	IC TC74HC32P
ICD13	8−752−304−30	s	IC CX23043
ICD14	8−759−921−08	s	IC SN74HC02N
ICD15	8−759−783−82	s	IC MB7226RA−PG13121
ICD16	8−759−202−74	s	IC TC74HC04P
ICD17	8−759−916−65	s	IC SN74HC240N
ICD18	8−759−203−54	s	IC TC74HC640P
ICD19	8−759−203−61	s	IC TC74HC688P
ICD20	8−759−916−65	s	IC SN74HC240N
ICE10	8−759−780−48	s	IC MB7226RA−PG13101
ICE11	8−759−202−32	s	IC TC74HC163P
ICE12	8−759−786−47	s	IC MBM27C256A−PG13081
ICE13	8−759−203−36	s	IC TC74HC374P
ICE14	8−759−780−47	s	IC MB7226RA−PG13111
ICE16	8−759−031−37	s	IC MC74F157AN
ICE17	8−759−202−32	s	IC TC74HC163P
ICE18	8−759−202−32	s	IC TC74HC163P
ICE19	8−759−202−74	s	IC TC74HC04P
ICE20	8−759−926−32	s	IC AM26LS32PC
ICF1	8−759−171−05	s	IC uPC7805H
ICF3	8−759−202−11	s	IC TC74HC00P
ICF5	8−759−921−06	s	IC PCM53JP−I
ICF7	8−759−001−63	s	IC MC74HC595N
ICF8	8−759−001−63	s	IC MC74HC595N
ICF9	8−759−925−03	s	IC SM5800
ICF11	8−759−004−84	s	IC MC74HC597N
ICF12	8−759−001−63	s	IC MC74HC595N
ICF13	8−759−001−63	s	IC MC74HC595N
ICF14	8−759−925−03	s	IC SM5800
ICF16	8−759−004−84	s	IC MC74HC597N
ICF17	8−759−202−32	s	IC TC74HC163P
ICF18	8−759−202−32	s	IC TC74HC163P
ICF19	8−759−776−17	s	IC MB7226RA−PG13032
ICF20	8−759−926−31	s	IC AM26LS31PC
ICG1	8−759−179−05	s	IC uPC7905H
ICG3	8−759−140−66	s	IC uPD4066BC
ICG5	8−759−108−96	s	IC uPC811C
ICG7	8−759−001−63	s	IC MC74HC595N
ICG8	8−759−001−63	s	IC MC74HC595N
ICG11	8−759−004−84	s	IC MC74HC597N
ICG12	8−759−001−63	s	IC MC74HC595N
ICG13	8−759−001−63	s	IC MC74HC595N

(PG-13 BOARD, DVPC-1000)

#10601 & UP (J)
#10801 & UP (UC)
#10801 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICG16	8−759−004−84	s	IC MC74HC597N
ICG17	8−759−916−29	s	IC SN74HC74N
ICG18	8−759−202−74	s	IC TC74HC04P
ICG19	8−759−202−74	s	IC TC74HC04P
ICG20	8−759−203−36	s	IC TC74HC374P
ICH1	8−759−179−15	s	IC uPC7915H
ICH7	8−759−001−63	s	IC MC74HC595N
ICH8	8−759−001−63	s	IC MC74HC595N
ICH9	8−759−925−03	s	IC SM5800
ICH11	8−759−004−84	s	IC MC74HC597N
ICH12	8−759−001−63	s	IC MC74HC595N
ICH13	8−759−001−63	s	IC MC74HC595N
ICH14	8−759−925−03	s	IC SM5800
ICH16	8−759−004−84	s	IC MC74HC597N
ICH17	8−759−202−85	s	IC TC74HC112P
ICH18	8−759−203−40	s	IC TC74HC393P
ICH19	8−759−202−11	s	IC TC74HC00P
ICH20	8−759−908−71	s	IC SN74ALS244AN
ICJ1	8−759−171−15	s	IC uPC7815H
ICJ3	8−759−900−72	s	IC NE5532P
ICJ5	8−759−900−72	s	IC NE5532P
ICJ7	8−759−001−63	s	IC MC74HC595N
ICJ8	8−759−001−63	s	IC MC74HC595N
ICJ11	8−759−004−84	s	IC MC74HC597N
ICJ12	8−759−001−63	s	IC MC74HC595N
ICJ13	8−759−001−63	s	IC MC74HC595N
ICJ16	8−759−004−84	s	IC MC74HC597N
ICJ17	8−759−906−24	s	IC SN74LS624N
ICJ18	8−759−918−71	s	IC CX23065
ICJ19	8−759−916−50	s	IC SN74HC157N
ICJ20	8−759−203−36	s	IC TC74HC374P
JS2	1−561−832−00	s	SOCKET, SHORT
L5	1−421−370−00	s	COIL, CHOKE
L6	1−421−370−00	s	COIL, CHOKE
LPF1	1−235−535−11	s	FILTER, LOW−PASS 20KHz
RB1	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB2	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB3	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB4	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB5	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB6	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB7	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB8	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB9	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB10	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB11	1−235−005−00	s	RESISTOR BLOCK, 47KX8
RB12	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB13	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB14	1−235−005−00	s	RESISTOR BLOCK, 47KX8
RB15	1−235−005−00	s	RESISTOR BLOCK, 47KX8
RB16	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB17	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB18	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB19	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB20	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB21	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB22	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB23	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB24	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB25	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB26	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB27	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RB28	1−231−410−00	s	RESISTOR BLOCK, 10KX8
RV2	1−224−939−00	s	RES, VAR, METAL 5K
S1	1−554−080−00	s	SWITCH, ROTARY
S2	1−570−623−11	s	SWITCH, DIP 4CKT
S3	1−570−623−11	s	SWITCH, DIP 4CKT
S4	1−554−397−21	s	SWITCH, TOGGLE
S5	1−554−397−21	s	SWITCH, TOGGLE
X1	1−527−828−00	s	CRYSTAL 12.000MHz

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

SP-10 BOARD, DVPC-1000

#21801 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6021-011-A	o	COMPLETE PCB, SP-10
C1	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C2	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C4	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C5	1-135-159-21	s	TANTALUM, CHIP 10uF 10% 20V
C6	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C7	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C8	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C9	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C10	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C11	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C12	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C13	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C14	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C15	1-135-159-21	s	TANTALUM, CHIP 10uF 10% 20V
C16	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C18	1-135-159-21	s	TANTALUM, CHIP 10uF 10% 20V
C19	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C20	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C21	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C22	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C23	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C24	1-135-159-21	s	TANTALUM, CHIP 10uF 10% 20V
C25	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C26	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C27	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C28	1-163-121-00	s	CERAMIC, CHIP 150PF 5% 50V
C29	1-163-121-00	s	CERAMIC, CHIP 150PF 5% 50V
C30	1-135-159-21	s	TANTALUM, CHIP 10uF 10% 20V
C31	1-162-807-11	s	CERAMIC 0.12uF 10% 50V
C32	1-162-807-11	s	CERAMIC 0.12uF 10% 50V
C33	1-162-807-11	s	CERAMIC 0.12uF 10% 50V
CN1	1-560-731-00	o	CONNECTOR, 50P, MALE
CN2	1-560-313-00	o	CONNECTOR, IL 8P, MALE
CN3	1-561-310-00	s	CONNECTOR, COAXIAL MALE
CN4	1-561-310-00	s	CONNECTOR, COAXIAL MALE
CN5	1-561-310-00	s	CONNECTOR, COAXIAL MALE
CN6	1-560-731-00	o	CONNECTOR, 50P, MALE
CP1	1-231-455-00	s	ENCAPSULATED COMPONENTS, CR
CP2	1-231-455-00	s	ENCAPSULATED COMPONENTS, CR
CP3	1-231-455-00	s	ENCAPSULATED COMPONENTS, CR
CP4	1-231-455-00	s	ENCAPSULATED COMPONENTS, CR
CP5	1-231-455-00	s	ENCAPSULATED COMPONENTS, CR
CP6	1-231-455-00	s	ENCAPSULATED COMPONENTS, CR
CP7	1-231-455-00	s	ENCAPSULATED COMPONENTS, CR
CP8	1-231-455-00	s	ENCAPSULATED COMPONENTS, CR
CP9	1-231-455-00	s	ENCAPSULATED COMPONENTS, CR
CP10	1-231-455-00	s	ENCAPSULATED COMPONENTS, CR
D1	8-719-912-20	s	DIODE 1SS120
D2	8-719-912-20	s	DIODE 1SS120
D3	8-719-912-20	s	DIODE 1SS120
D4	8-719-912-20	s	DIODE 1SS120
D5	8-719-912-20	s	DIODE 1SS120
D6	8-719-912-20	s	DIODE 1SS120
D7	8-719-912-20	s	DIODE 1SS120
D8	8-719-912-20	s	DIODE 1SS120
FB1	1-535-180-00	s	BEAD, FERRITE
FB2	1-535-180-00	s	BEAD, FERRITE
FB3	1-535-180-00	s	BEAD, FERRITE
FB4	1-535-180-00	s	BEAD, FERRITE
IC1	PENDING	s	SBX1601
IC2	PENDING	s	SBX1601
IC3	PENDING	s	CXA1389P
IC4	PENDING	s	SBX1602
IC5	8-759-012-00	s	IC MC10H116M

(SP-10 BOARD, DVPC-1000)

#21801 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
IC6	8-759-012-00	s	IC MC10H116M
IC7	8-759-012-00	s	IC MC10H116M
IC8	8-759-012-00	s	IC MC10H116M
IC9	8-759-012-00	s	IC MC10H116M
IC10	8-759-012-00	s	IC MC10H116M
IC11	8-759-925-72	s	IC SN74HC02NS
L1	1-410-184-51	s	INDUCTOR CHIP 0.22μH
L2	1-410-184-51	s	INDUCTOR CHIP 0.22μH
Q1	8-729-100-66	s	TRANSISTOR 2SC1623
Q2	8-729-216-22	s	TRANSISTOR 2SA1162
Q3	8-729-216-22	s	TRANSISTOR 2SA1162
Q4	8-729-216-22	s	TRANSISTOR 2SA1162
Q5	8-729-100-66	s	TRANSISTOR 2SC1623
Q6	8-729-100-66	s	TRANSISTOR 2SC1623
Q7	8-729-100-66	s	TRANSISTOR 2SC1623
Q10	8-729-216-22	s	TRANSISTOR 2SA812
Q11	8-729-216-22	s	TRANSISTOR 2SA812
R1	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R2	1-216-065-00	s	METAL, CHIP 4.7K 5% 1/10W
R3	1-216-025-00	s	METAL, CHIP 100 5% 1/10W
R4	1-216-033-00	s	METAL, CHIP 220 5% 1/10W
R5	1-216-033-00	s	METAL, CHIP 220 5% 1/10W
R6	1-216-063-00	s	METAL, CHIP 3.9K 5% 1/10W
R7	1-216-049-00	s	METAL, CHIP 1K 5% 1/10W
R8	1-216-009-00	s	METAL, CHIP 22 5% 1/10W
R9	1-216-009-00	s	METAL, CHIP 22 5% 1/10W
R10	1-216-049-00	s	METAL, CHIP 1K 5% 1/10W
R11	1-216-021-00	s	METAL, CHIP 68 5% 1/10W
R12	1-216-049-00	s	METAL, CHIP 1K 5% 1/10W
R13	1-216-021-00	s	METAL, CHIP 68 5% 1/10W
R14	1-216-029-00	s	METAL, CHIP 150 5% 1/10W
R15	1-216-029-00	s	METAL, CHIP 150 5% 1/10W
R16	1-216-033-00	s	METAL, CHIP 220 5% 1/10W
R17	1-216-033-00	s	METAL, CHIP 220 5% 1/10W
R18	1-216-081-00	s	METAL, CHIP 22K 5% 1/10W
R20	1-216-049-00	s	METAL, CHIP 1K 5% 1/10W
R21	1-216-063-00	s	METAL, CHIP 3.9K 5% 1/10W
R22	1-216-022-00	s	METAL, CHIP 75 5% 1/10W
R23	1-216-037-00	s	METAL, CHIP 330 5% 1/10W
R24	1-216-025-00	s	METAL, CHIP 100 5% 1/10W
R25	1-216-081-00	s	METAL, CHIP 22K 5% 1/10W
R26	1-216-059-00	s	METAL, CHIP 2.7K 5% 1/10W
R27	1-216-049-00	s	METAL, CHIP 1K 5% 1/10W
R28	1-216-065-00	s	METAL, CHIP 4.7K 5% 1/10W
R29	1-216-081-00	s	METAL, CHIP 22K 5% 1/10W
R30	1-216-081-00	s	METAL, CHIP 22K 5% 1/10W
R31	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R32	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R33	1-216-065-00	s	METAL, CHIP 4.7K 5% 1/10W
R34	1-216-081-00	s	METAL, CHIP 22K 5% 1/10W
R35	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R36	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R43	1-216-065-00	s	METAL, CHIP 4.7K 5% 1/10W
R44	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R45	1-216-025-00	s	METAL, CHIP 100 5% 1/10W
R46	1-216-049-00	s	METAL, CHIP 1K 5% 1/10W
R47	1-216-025-00	s	METAL, CHIP 100 5% 1/10W
R48	1-216-049-00	s	METAL, CHIP 1K 5% 1/10W
R49	1-216-025-00	s	METAL, CHIP 100 5% 1/10W
R50	1-215-420-00	s	METAL, 910 1% 1/6W
R53	1-216-033-00	s	METAL, CHIP 220 5% 1/10W

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(SP-10 BOARD, DVPC-1000)

#21801 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
RB1	1-235-452-11	s	RESISTOR BLOCK 330×4
RB2	1-235-452-11	s	RESISTOR BLOCK 330×4
RB3	1-235-452-11	s	RESISTOR BLOCK 330×4
RB4	1-235-452-11	s	RESISTOR BLOCK 330×4
RB5	1-235-452-11	s	RESISTOR BLOCK 330×4
RB6	1-235-452-11	s	RESISTOR BLOCK 330×4
RB7	1-235-452-11	s	RESISTOR BLOCK 330×4
RB8	1-235-452-11	s	RESISTOR BLOCK 330×4
RB9	1-235-452-11	s	RESISTOR BLOCK 330×4
RB10	1-235-452-11	s	RESISTOR BLOCK 330×4
RB11	1-235-452-11	s	RESISTOR BLOCK 330×4
RB12	1-231-509-00	s	RESISTOR BLOCK 1K×4
RB13	1-231-405-00	s	RESISTOR BLOCK 1K×8
RV1	1-224-939-00	s	RES, ADJ, CERMET 5K
RV2	1-224-939-00	s	RES, ADJ, CERMET 5K
RV3	1-224-939-00	s	RES, ADJ, CERMET 5K
RV4	1-237-514-21	s	RES, ADJ, CERMET 500
T1	1-446-330-00	s	TRANSFORMER

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

SY-70 BOARD, DVPC-1000

#10001 TO 11199 (J)
#10001 TO 20999 (UC)
#10001 TO 11199 (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6019-015-A	o	COMPLETE PCB, SY-70
(This assembly includes the following parts.)			
1pc	3-715-724-41	o	LABEL (2), SERIAL NUMBER
1pc	7-682-647-09	s	SCREW, +PS 3×6
1pc	7-684-023-04	s	N 3, TYPE 2
2pcs	3-673-249-00	o	LEVER, PC BOARD
2pcs	7-621-775-10	s	SCREW, +B 2.6X4
2pcs	7-626-320-11	o	PIN, SPRING 3X8
2pcs	7-628-254-20	s	SCREW, +PSW, 2.6X8
6pcs	7-628-253-40	s	SCREW, +PS 2X10
21pcs	7-628-254-10	s	SCREW, +PSW, 2.6X6
C65	1-131-349-00	s	CAP, TANT 2.2uF 10% 35V
C66	1-131-349-00	s	CAP, TANT 2.2uF 10% 35V
C67	1-131-349-00	s	CAP, TANT 2.2uF 10% 35V
C68	1-131-349-00	s	CAP, TANT 2.2uF 10% 35V
C101	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C102	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C103	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C108	1-130-471-00	s	CAP, MYLAR 0.001uF 5% 50V
C114	1-131-347-00	s	CAP, TANT 1uF 20% 35V
C201	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C202	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C203	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C208	1-130-471-00	s	CAP, MYLAR 0.001uF 5% 50V
C214	1-131-347-00	s	CAP, TANT 1uF 20% 35V
CN4	1-566-391-11	s	PIN, CONNECTOR 20P
CN5	1-566-385-11	s	PIN, CONNECTOR 2P
CN6	1-566-385-11	s	PIN, CONNECTOR 2P
CN7	1-566-385-11	s	PIN, CONNECTOR 2P
CN8	1-566-385-11	s	PIN, CONNECTOR 2P
CN9	1-566-385-11	s	PIN, CONNECTOR 2P
CN10	1-566-385-11	s	PIN, CONNECTOR 2P
CN11	1-566-385-11	s	PIN, CONNECTOR 2P
CN12	1-566-385-11	s	PIN, CONNECTOR 2P
CN101M	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103M	1-506-746-11	s	RECEP, DIN 48P, MALE
D1	8-719-404-07	s	DIODE LN45YP
D2	8-719-404-07	s	DIODE LN45YP
D3	8-719-400-35	s	DIODE LN35BP
D4	8-719-400-35	s	DIODE LN35BP
D5	8-719-815-55	s	DIODE 1S1555
D103	8-719-815-55	s	DIODE 1S1555
D106	8-719-915-43	s	DIODE FC54M
D107	8-719-915-43	s	DIODE FC54M
D203	8-719-815-55	s	DIODE 1S1555
D206	8-719-915-43	s	DIODE FC54M
D207	8-719-915-43	s	DIODE FC54M
F1	⚠ 1-576-031-11	s	FUSE, MICRO 10A
F2	⚠ 1-576-031-11	s	FUSE, MICRO 10A
IC1	8-759-700-69	s	IC NJM79L12A
IC2	8-759-108-05	s	IC uPC78L05A
IC3	8-759-178-12	s	IC uPC78L12
IC4	8-759-012-66	s	IC MC7902CT
ICA2	8-759-202-34	s	IC TC74HC257P
ICA3	8-759-918-33	s	IC CX20160
ICA4	8-759-906-78	s	IC 74F399PC
ICA5	8-759-901-53	s	IC SN74LS153N
ICA6	8-759-901-53	s	IC SN74LS153N
ICA7	8-759-901-53	s	IC SN74LS153N
ICA8	8-759-918-33	s	IC CX20160
ICA10	8-759-938-44	s	IC SN74ALS688N
ICA11	8-759-004-80	s	IC MC74HCT374N
ICA12	8-759-938-44	s	IC SN74ALS688N
ICA13	8-759-774-98	s	IC MB7124H-SY70041
ICA14	8-759-004-80	s	IC MC74HCT374N
ICA15	8-759-794-38	s	IC PAL16R4B-SY70132
ICA16	8-759-202-27	s	IC TC74HC157P

(SY-70 BOARD, DVPC-1000)

#10001 TO 11199 (J)
#10001 TO 20999 (UC)
#10001 TO 11199 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICA17	8-759-202-32	s	IC TC74HC163P
ICA18	8-759-202-32	s	IC TC74HC163P
ICA19	8-759-202-32	s	IC TC74HC163P
ICA20	8-759-202-14	s	IC TC74HC08P
ICA21	8-759-202-74	s	IC TC74HC04P
ICA22	8-759-000-99	s	IC MC74HC74N
ICA24	8-759-794-42	s	IC PAL16L8B-SY70181
ICA26	8-759-902-40	s	IC SN74LS240N
ICA27	8-759-202-75	s	IC TC74HCT04P
ICA29	8-759-201-41	s	IC TD62901P
ICA32	8-759-990-84	s	IC TL084CN
ICB1	8-759-793-97	s	IC PAL16R8B-SY70151
ICB2	8-759-794-39	s	IC PAL16R8B-SY70143
ICB3	8-759-946-64	s	IC SN74ALS04BN
ICB4	8-759-202-32	s	IC TC74HC163P
ICB5	8-759-901-53	s	IC SN74LS153N
ICB6	8-759-901-53	s	IC SN74LS153N
ICB7	8-759-918-33	s	IC CX20160
ICB8	8-759-938-44	s	IC SN74ALS688N
ICB9	8-759-774-97	s	IC MB7124H-SY70031
ICB10	8-759-004-80	s	IC MC74HCT374N
ICB11	8-759-112-37	s	IC uPD41101C-3
ICB12	8-759-112-37	s	IC uPD41101C-3
ICB13	8-759-794-37	s	IC PAL16L8B-SY70122
ICB14	8-759-004-80	s	IC MC74HCT374N
ICB16	8-752-304-30	s	IC CX23043
ICB17	8-752-304-30	s	IC CX23043
ICB19	8-752-304-30	s	IC CX23043
ICB20	8-752-304-30	s	IC CX23043
ICB21	8-759-202-32	s	IC TC74HC163P
ICB22	8-759-000-99	s	IC MC74HC74N
ICB23	8-759-202-74	s	IC TC74HC04P
ICB24	8-759-900-00	s	IC SN74LS00N
ICB25	8-759-902-94	s	IC SN74LS590N
ICB26	8-759-902-94	s	IC SN74LS590N
ICB29	8-759-203-36	s	IC TC74HC374P
ICB32	8-759-784-14	s	IC MBL8742H-SY700812
ICB34	8-759-203-54	s	IC TC74HC640P
ICC1	8-759-775-54	s	IC MB7142H-SY70061
ICC3	8-759-004-80	s	IC MC74HCT374N
ICC4	8-759-004-80	s	IC MC74HCT374N
ICC5	8-759-004-80	s	IC MC74HCT374N
ICC6	8-759-004-80	s	IC MC74HCT374N
ICC7	8-759-913-63	s	IC SN74ALS374N
ICC9	8-759-004-80	s	IC MC74HCT374N
ICC10	8-759-793-96	s	IC PAL16R6B-SY70111
ICC13	8-759-938-87	s	IC CX20149
ICC14	8-759-774-43	s	IC MB7232RA-SY70021
ICC15	8-759-112-18	s	IC uPD4362C-45
ICC16	8-759-112-18	s	IC uPD4362C-45
ICC17	8-759-112-18	s	IC uPD4362C-45
ICC18	8-759-112-18	s	IC uPD4362C-45
ICC19	8-759-112-18	s	IC uPD4362C-45
ICC20	8-759-112-18	s	IC uPD4362C-45
ICC21	8-759-202-21	s	IC TC74HC32P
ICC22	8-759-202-74	s	IC TC74HC04P
ICC23	8-759-202-32	s	IC TC74HC163P
ICC25	8-759-908-71	s	IC SN74ALS244AN
ICC26	8-759-004-80	s	IC MC74HCT374N
ICC28	8-759-777-28	s	IC MBM27C256-SY70073
ICC29	8-759-203-36	s	IC TC74HC374P
ICC30	8-759-103-88	s	IC uPD82C43CY
ICC34	8-759-203-61	s	IC TC74HC688P
ICC35	8-759-202-33	s	IC TC74HC240P
ICD1	8-759-903-99	s	IC SN74LS399N

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(SY-70 BOARD, DVPC-1000)

#10001 TO 11199 (J)
#10001 TO 20999 (UC)
#10001 TO 11199 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICD2	8-759-903-99	s	IC SN74LS399N
ICD3	8-759-774-99	s	IC MB7124H-SY70051
ICD4	8-759-900-86	s	IC SN74LS86N
ICD5	8-759-900-86	s	IC SN74LS86N
ICD6	8-759-938-87	s	IC CX20149
ICD7	8-759-112-37	s	IC uPD41101C-3
ICD8	8-759-774-22	s	IC MB7226RA-SY70011
ICD9	8-759-112-37	s	IC uPD41101C-3
ICD10	8-759-793-94	s	IC PAL16R4B-SY70091
ICD11	8-759-793-95	s	IC PAL16R4B-SY70101
ICD12	8-759-203-36	s	IC TC74HC374P
ICD13	8-759-004-80	s	IC MC74HCT374N
ICD14	8-759-004-80	s	IC MC74HCT374N
ICD16	8-759-937-86	s	IC CX20214
ICD17	8-759-937-86	s	IC CX20214
ICD18	8-759-937-86	s	IC CX20214
ICD20	8-759-937-86	s	IC CX20214
ICD21	8-759-913-63	s	IC SN74ALS374N
ICD22	8-759-904-87	s	IC 74F374PC
ICD23	8-759-202-32	s	IC TC74HC163P
ICD24	8-759-202-32	s	IC TC74HC163P
ICD25	8-759-202-14	s	IC TC74HC08P
ICD26	8-759-202-11	s	IC TC74HC00P
ICD27	8-759-903-67	s	IC SN74LS367AN
ICD28	8-759-902-44	s	IC SN74LS244N
ICD29	8-759-103-88	s	IC uPD82C43CY
ICD31	8-752-304-30	s	IC CX23043
ICD32	8-752-304-30	s	IC CX23043
ICD34	8-759-912-12	s	IC SN74ALS240AN
ICD35	8-759-202-33	s	IC TC74HC240P
ICE2	8-759-202-86	s	IC TC74HC123P
ICE4	8-759-202-86	s	IC TC74HC123P
ICE6	8-759-004-80	s	IC MC74HCT374N
ICE7	8-759-902-45	s	IC SN74LS245N
ICE8	8-759-004-80	s	IC MC74HCT374N
ICE9	8-759-902-45	s	IC SN74LS245N
ICE10	8-759-918-33	s	IC CX20160
ICE11	8-759-112-37	s	IC uPD41101C-3
ICE12	8-759-901-57	s	IC SN74LS157N
ICE13	8-759-918-33	s	IC CX20160
ICE14	8-759-112-37	s	IC uPD41101C-3
ICE15	8-759-901-57	s	IC SN74LS157N
ICE17	8-759-202-32	s	IC TC74HC163P
ICE18	8-759-202-14	s	IC TC74HC08P
ICE19	8-759-794-40	s	IC PAL16R6B-SY70161
ICE21	8-759-202-32	s	IC TC74HC163P
ICE22	8-759-902-40	s	IC SN74LS240N
ICE23	8-759-202-32	s	IC TC74HC163P
ICE24	8-759-202-32	s	IC TC74HC163P
ICE25	8-759-904-87	s	IC 74F374PC
ICE26	8-759-915-93	s	IC 74F163APC
ICE27	8-759-202-11	s	IC TC74HC00P
ICE29	8-759-002-80	s	IC MC10H131L
ICE30	8-759-002-73	s	IC MC10H117L
ICE31	8-749-900-72	s	IC MC5400
ICE34	8-759-900-04	s	IC SN74LS04N
ICE35	8-759-926-32	s	IC AM26LS32PC
ICF2	8-759-202-34	s	IC TC74HC257P
ICF3	8-759-918-33	s	IC CX20160
ICF4	8-759-906-78	s	IC 74F399PC
ICF5	8-759-901-53	s	IC SN74LS153N
ICF6	8-759-901-53	s	IC SN74LS153N
ICF7	8-759-901-53	s	IC SN74LS153N
ICF8	8-759-918-33	s	IC CX20160
ICF9	8-759-794-43	s	IC PAL16R8B-SY70191
ICF10	8-759-938-44	s	IC SN74ALS688N
ICF11	8-759-004-80	s	IC MC74HCT374N
ICF12	8-759-938-44	s	IC SN74ALS688N
ICF13	8-759-774-98	s	IC MB7124H-SY70041
ICF14	8-759-004-80	s	IC MC74HCT374N

(SY-70 BOARD, DVPC-1000)

#10001 TO 11199 (J)
#10001 TO 20999 (UC)
#10001 TO 11199 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICF15	8-759-794-38	s	IC PAL16R4B-SY70132
ICF16	8-759-202-27	s	IC TC74HC157P
ICF17	8-759-202-32	s	IC TC74HC163P
ICF18	8-759-202-32	s	IC TC74HC163P
ICF19	8-759-202-32	s	IC TC74HC163P
ICF20	8-759-202-14	s	IC TC74HC08P
ICF21	8-759-202-74	s	IC TC74HC04P
ICF22	8-759-000-99	s	IC MC74HC74N
ICF23	8-759-202-75	s	IC TC74HCT04P
ICF25	8-759-300-25	s	IC HD10125
ICF26	8-759-302-31	s	IC HD10231
ICF27	8-759-302-31	s	IC HD10231
ICF30	8-759-001-16	s	IC MC10116L
ICG1	8-759-793-97	s	IC PAL16R8B-SY70151
ICG2	8-759-794-39	s	IC PAL16R8B-SY70143
ICG3	8-759-946-64	s	IC SN74ALS04BN
ICG4	8-759-202-32	s	IC TC74HC163P
ICG5	8-759-901-53	s	IC SN74LS153N
ICG6	8-759-901-53	s	IC SN74LS153N
ICG7	8-759-918-33	s	IC CX20160
ICG8	8-759-938-44	s	IC SN74ALS688N
ICG9	8-759-774-97	s	IC MB7124H-SY70031
ICG10	8-759-004-80	s	IC MC74HCT374N
ICG11	8-759-112-37	s	IC uPD41101C-3
ICG12	8-759-112-37	s	IC uPD41101C-3
ICG13	8-759-794-37	s	IC PAL16L8B-SY70122
ICG14	8-759-004-80	s	IC MC74HCT374N
ICG16	8-752-304-30	s	IC CX23043
ICG17	8-752-304-30	s	IC CX23043
ICG19	8-752-304-30	s	IC CX23043
ICG20	8-752-304-30	s	IC CX23043
ICG21	8-759-202-32	s	IC TC74HC163P
ICG22	8-759-000-99	s	IC MC74HC74N
ICG23	8-759-202-74	s	IC TC74HC04P
ICG24	8-759-202-11	s	IC TC74HC00P
ICG25	8-759-302-31	s	IC HD10231
ICG26	8-759-202-12	s	IC TC74HC02P
ICG27	8-759-202-11	s	IC TC74HC00P
ICG29	8-759-002-80	s	IC MC10H131L
ICG30	8-759-002-73	s	IC MC10H117L
ICG31	8-749-900-72	s	IC MC5400
ICG34	8-759-301-24	s	IC HD10124
ICH1	8-759-775-54	s	IC MB7142H-SY70061
ICH3	8-759-004-80	s	IC MC74HCT374N
ICH4	8-759-004-80	s	IC MC74HCT374N
ICH5	8-759-004-80	s	IC MC74HCT374N
ICH6	8-759-004-80	s	IC MC74HCT374N
ICH7	8-759-913-63	s	IC SN74ALS374N
ICH9	8-759-004-80	s	IC MC74HCT374N
ICH10	8-759-793-96	s	IC PAL16R6B-SY70111
ICH13	8-759-938-87	s	IC CX20149
ICH14	8-759-774-43	s	IC MB7232RA-SY70021
ICH15	8-759-112-18	s	IC uPD4362C-45
ICH16	8-759-112-18	s	IC uPD4362C-45
ICH17	8-759-112-18	s	IC uPD4362C-45
ICH18	8-759-112-18	s	IC uPD4362C-45
ICH19	8-759-112-18	s	IC uPD4362C-45
ICH20	8-759-112-18	s	IC uPD4362C-45
ICH21	8-759-202-21	s	IC TC74HC32P
ICH22	8-759-202-74	s	IC TC74HC04P
ICH23	8-759-904-80	s	IC 74F04PC
ICH24	8-759-000-99	s	IC MC74HC74N
ICH25	8-759-300-25	s	IC HD10125
ICH26	8-759-302-31	s	IC HD10231
ICH27	8-759-302-31	s	IC HD10231
ICH30	8-759-001-16	s	IC MC10116L
ICH34	8-759-002-73	s	IC MC10H117L
ICJ1	8-759-903-99	s	IC SN74LS399N
ICJ2	8-759-903-99	s	IC SN74LS399N
ICJ3	8-759-774-99	s	IC MB7124H-SY70051

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(SY-70 BOARD, DVPC-1000)

#10001 TO 11199 (J)
#10001 TO 20999 (UC)
#10001 TO 11199 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICJ4	8-759-900-86	s	IC SN74LS86N
ICJ5	8-759-900-86	s	IC SN74LS86N
ICJ6	8-759-938-87	s	IC CX20149
ICJ7	8-759-112-37	s	IC uPD41101C-3
ICJ8	8-759-774-22	s	IC MB7226RA-SY70011
ICJ9	8-759-112-37	s	IC uPD41101C-3
ICJ10	8-759-793-94	s	IC PAL16R4B-SY70091
ICJ11	8-759-793-95	s	IC PAL16R4B-SY70101
ICJ12	8-759-203-36	s	IC TC74HC374P
ICJ13	8-759-004-80	s	IC MC74HCT374N
ICJ14	8-759-004-80	s	IC MC74HCT374N
ICJ16	8-759-937-86	s	IC CX20214
ICJ17	8-759-937-86	s	IC CX20214
ICJ18	8-759-937-86	s	IC CX20214
ICJ20	8-759-937-86	s	IC CX20214
ICJ21	8-759-913-63	s	IC SN74ALS374N
ICJ22	8-759-904-87	s	IC 74F374PC
ICJ23	8-759-794-41	s	IC PAL16R6B-SY70171
ICJ25	8-759-904-87	s	IC 74F374PC
ICJ26	8-759-915-93	s	IC 74F163APC
ICJ27	8-759-202-11	s	IC TC74HC00P
ICJ28	8-759-902-40	s	IC SN74LS240N
ICJ33	8-759-708-08	s	IC NJM78L08A
JS1	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS2	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS3	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS4	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS5	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS6	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS7	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS8	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS9	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS10	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
L1	1-421-370-00	s	COIL, CHOKE
L2	1-421-370-00	s	COIL, CHOKE
L3	1-421-370-00	s	COIL, CHOKE
L4	1-421-370-00	s	COIL, CHOKE
L5	1-421-370-00	s	COIL, CHOKE
L6	1-421-370-00	s	COIL, CHOKE
L7	1-421-370-00	s	COIL, CHOKE
L8	1-421-370-00	s	COIL, CHOKE
L9	1-410-320-11	s	INDUCTOR, 2.2uH 20%
L10	1-410-320-11	s	INDUCTOR, 2.2uH 20%
L11	1-410-312-11	s	INDUCTOR, 0.22uH 20%
L12	1-410-312-11	s	INDUCTOR, 0.22uH 20%
L13	1-410-312-11	s	INDUCTOR, 0.22uH 20%
L14	1-410-312-11	s	INDUCTOR, 0.22uH 20%
LV1	1-410-746-11	s	VAR, INDUCTOR,
LV2	1-410-746-11	s	VAR, INDUCTOR,
Q101	8-729-800-10	s	TRANSISTOR 2SC3068
Q102	8-729-800-10	s	TRANSISTOR 2SC3068
Q103	8-729-100-88	s	TRANSISTOR 2SA1223
Q104	8-729-100-88	s	TRANSISTOR 2SA1223
Q105	8-729-117-33	s	TRANSISTOR 2SC1733
Q106	8-729-800-10	s	TRANSISTOR 2SC3068
Q107	8-729-600-60	s	TRANSISTOR 2SA1115P
Q108	8-729-600-60	s	TRANSISTOR 2SA1115P
Q201	8-729-800-10	s	TRANSISTOR 2SC3068
Q202	8-729-800-10	s	TRANSISTOR 2SC3068
Q203	8-729-100-88	s	TRANSISTOR 2SA1223
Q204	8-729-100-88	s	TRANSISTOR 2SA1223
Q205	8-729-117-33	s	TRANSISTOR 2SC1733
Q206	8-729-800-10	s	TRANSISTOR 2SC3068
Q207	8-729-600-60	s	TRANSISTOR 2SA1115P
Q208	8-729-600-60	s	TRANSISTOR 2SA1115P
R37	1-215-401-11	s	RES, METAL 150 1% 1/6W
R38	1-215-401-11	s	RES, METAL 150 1% 1/6W
R39	1-215-401-11	s	RES, METAL 150 1% 1/6W
R40	1-215-401-11	s	RES, METAL 150 1% 1/6W

(SY-70 BOARD, DVPC-1000)

#10001 TO 11199 (J)
#10001 TO 20999 (UC)
#10001 TO 11199 (EK)

Ref. No. or Qty	Part No.	SP	Description
R46	1-215-401-11	s	RES, METAL 150 1% 1/6W
R47	1-215-401-11	s	RES, METAL 150 1% 1/6W
R52	1-215-401-11	s	RES, METAL 150 1% 1/6W
R53	1-215-401-11	s	RES, METAL 150 1% 1/6W
R111	1-215-401-11	s	RES, METAL 150 1% 1/6W
R211	1-215-401-11	s	RES, METAL 150 1% 1/6W
RB1	1-231-398-00	s	RESISTOR BLOCK, 270X8
RB2	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB3	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB4	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB5	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB6	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB7	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB8	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB9	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB10	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB11	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB12	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB13	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB14	1-235-972-11	s	RESISTOR BLOCK, 100X8
RB15	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB16	1-231-401-00	s	RESISTOR BLOCK, 470X8
RB17	1-235-972-11	s	RESISTOR BLOCK, 100X8
RB18	1-235-972-11	s	RESISTOR BLOCK, 100X8
RB19	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB20	1-231-401-00	s	RESISTOR BLOCK, 470X8
RB21	1-235-972-11	s	RESISTOR BLOCK, 100X8
RB22	1-231-401-00	s	RESISTOR BLOCK, 470X8
RB23	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB24	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB25	1-235-972-11	s	RESISTOR BLOCK, 100X8
RB26	1-235-972-11	s	RESISTOR BLOCK, 100X8
RV1	1-230-841-11	s	RES, VAR, METAL 2K
RV2	1-230-842-11	s	RES, VAR, METAL 5K
RV3	1-230-842-11	s	RES, VAR, METAL 5K
RV4	1-230-838-11	s	RES, VAR, METAL 200
RV5	1-230-837-11	s	RES, VAR, METAL 100
RV6	1-230-838-11	s	RES, VAR, METAL 200
RV7	1-230-837-11	s	RES, VAR, METAL 100
RV8	1-230-838-11	s	RES, VAR, METAL 200
RV9	1-230-838-11	s	RES, VAR, METAL 200
S1	1-570-623-11	s	SWITCH, DIP 4CKT
S2	1-553-925-00	s	SWITCH, ROTARY
S3	1-553-925-00	s	SWITCH, ROTARY
S4	1-553-925-00	s	SWITCH, ROTARY
S5	1-553-925-00	s	SWITCH, ROTARY
S6	1-553-925-00	s	SWITCH, ROTARY
S7	1-554-080-00	s	SWITCH, ROTARY
X1	1-527-828-00	s	CRYSTAL 12.000MHz

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

SY-70 BOARD, DVPC-1000

#11201 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6019-015-B	o	COMPLETE PCB, SY-70

(This assembly includes the following parts.)

Ref. No. or Qty	Part No.	SP	Description
1pc	3-715-724-41	o	LABEL (2), SERIAL NUMBER
1pc	7-682-647-09	s	SCREW, +PS 3×6
1pc	7-684-023-04	s	N 3, TYPE 2
2pcs	3-673-249-00	o	LEVER, PC BOARD
2pcs	7-621-775-10	s	SCREW, +B 2.6X4
2pcs	7-626-320-11	o	PIN, SPRING 3X8
2pcs	7-628-254-20	s	SCREW, +PSW, 2.6X8
6pcs	7-628-253-40	s	SCREW, +PS 2X10
21pcs	7-628-254-10	s	SCREW, +PSW, 2.6X6
C65	1-131-349-00	s	CAP, TANT 2.2uF 10% 35V
C66	1-131-349-00	s	CAP, TANT 2.2uF 10% 35V
C67	1-131-349-00	s	CAP, TANT 2.2uF 10% 35V
C68	1-131-349-00	s	CAP, TANT 2.2uF 10% 35V
C94	1-161-051-00	s	CAP, CERAMIC 0.01uF 10% 50V
C96	1-161-051-00	s	CAP, CERAMIC 0.01uF 10% 50V
C101	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C102	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C103	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C108	1-130-471-00	s	CAP, MYLAR 0.001uF 5% 50V
C115	1-102-074-00	s	CAP, CERAMIC 1000P 10% 50V
C116	1-102-074-00	s	CAP, CERAMIC 1000P 10% 50V
C201	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C202	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C203	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C208	1-130-471-00	s	CAP, MYLAR 0.001uF 5% 50V
C215	1-102-074-00	s	CAP, CERAMIC 1000P 10% 50V
C216	1-102-074-00	s	CAP, CERAMIC 1000P 10% 50V
CN4	1-566-391-11	s	PIN, CONNECTOR 20P
CN5	1-566-385-11	s	PIN, CONNECTOR 2P
CN6	1-566-385-11	s	PIN, CONNECTOR 2P
CN7	1-566-385-11	s	PIN, CONNECTOR 2P
CN8	1-566-385-11	s	PIN, CONNECTOR 2P
CN9	1-566-385-11	s	PIN, CONNECTOR 2P
CN10	1-566-385-11	s	PIN, CONNECTOR 2P
CN11	1-566-385-11	s	PIN, CONNECTOR 2P
CN12	1-566-385-11	s	PIN, CONNECTOR 2P
CN13	1-566-385-11	s	PIN, CONNECTOR 2P
CN101M	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103M	1-506-746-11	s	RECEP, DIN 48P, MALE
D1	8-719-404-07	s	DIODE LN45YP
D2	8-719-404-07	s	DIODE LN45YP
D3	8-719-400-35	s	DIODE LN35BP
D4	8-719-400-35	s	DIODE LN35BP
D5	8-719-815-55	s	DIODE 1S1555
D101	8-719-815-55	s	DIODE 1S1555
D103	8-719-815-55	s	DIODE 1S1555
D106	8-719-915-43	s	DIODE FC54M
D107	8-719-915-43	s	DIODE FC54M
D201	8-719-815-55	s	DIODE 1S1555
D203	8-719-815-55	s	DIODE 1S1555
D206	8-719-915-43	s	DIODE FC54M
D207	8-719-915-43	s	DIODE FC54M
F1	⚠ 1-576-031-11	s	FUSE, MICRO 10A
F2	⚠ 1-576-031-11	s	FUSE, MICRO 10A
IC1	8-759-700-69	s	IC NJM79L12A
IC2	8-759-108-05	s	IC uPC78L05A
IC3	8-759-178-12	s	IC uPC78L12
IC4	8-759-903-37	s	IC LM337T
IC5	8-759-982-44	s	IC NJM79L05A
ICA2	8-759-202-34	s	IC TC74HC257P
ICA3	8-759-918-33	s	IC CX20160
ICA4	8-759-906-78	s	IC 74F399PC
ICA5	8-759-901-53	s	IC SN74LS153N
ICA6	8-759-901-53	s	IC SN74LS153N
ICA7	8-759-901-53	s	IC SN74LS153N
ICA8	8-759-918-33	s	IC CX20160
ICA10	8-759-938-44	s	IC SN74ALS688N
ICA11	8-759-004-80	s	IC MC74HCT374N
ICA12	8-759-938-44	s	IC SN74ALS688N

(SY-70 BOARD, DVPC-1000)

#11201 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICA13	8-759-774-98	s	IC MB7124H-SY70041
ICA14	8-759-004-80	s	IC MC74HCT374N
ICA15	8-759-794-38	s	IC PAL16R4B-SY70132
ICA16	8-759-916-50	s	IC SN74HC157N
ICA17	8-759-202-32	s	IC TC74HC163P
ICA18	8-759-202-32	s	IC TC74HC163P
ICA19	8-759-202-32	s	IC TC74HC163P
ICA20	8-759-803-70	s	IC LC74HC08
ICA21	8-759-202-74	s	IC TC74HC04P
ICA22	8-759-916-29	s	IC SN74HC74N
ICA23	8-759-794-64	s	IC PAL16R8B-SY70221
ICA24	8-759-794-42	s	IC PAL16L8B-SY70181
ICA25	8-759-794-62	s	IC PAL16L8B-SY70201
ICA26	8-759-902-40	s	IC SN74LS240N
ICA27	8-759-202-75	s	IC TC74HCT04P
ICA28	8-759-794-63	s	IC PAL16L8B-SY70211
ICA29	8-759-201-41	s	IC TD62901P
ICA32	8-759-990-84	s	IC TL084CN
ICB1	8-759-794-60	s	IC PAL16R8B-SY70152
ICB2	8-759-794-39	s	IC PAL16R8B-SY70143
ICB3	8-759-946-64	s	IC SN74ALS04BN
ICB4	8-759-202-32	s	IC TC74HC163P
ICB5	8-759-901-53	s	IC SN74LS153N
ICB6	8-759-901-53	s	IC SN74LS153N
ICB7	8-759-918-33	s	IC CX20160
ICB8	8-759-938-44	s	IC SN74ALS688N
ICB9	8-759-774-97	s	IC MB7124H-SY70031
ICB10	8-759-004-80	s	IC MC74HCT374N
ICB11	8-759-112-37	s	IC uPD41101C-3
ICB12	8-759-112-37	s	IC uPD41101C-3
ICB13	8-759-795-91	s	IC PAL16L8B-SY70261
ICB14	8-759-004-80	s	IC MC74HCT374N
ICB16	8-752-304-30	s	IC CX23043
ICB17	8-752-304-30	s	IC CX23043
ICB19	8-752-304-30	s	IC CX23043
ICB20	8-752-304-30	s	IC CX23043
ICB21	8-759-202-32	s	IC TC74HC163P
ICB22	8-759-904-84	s	IC 74F74PC
ICB23	8-759-202-75	s	IC TC74HCT04P
ICB24	8-759-900-00	s	IC SN74LS00N
ICB25	8-759-902-94	s	IC SN74LS590N
ICB26	8-759-902-94	s	IC SN74LS590N
ICB29	8-759-203-36	s	IC TC74HC374P
ICB32	8-759-787-13	s	IC MBL8742H-SY700813
ICB34	8-759-203-54	s	IC TC74HC640P
ICC1	8-759-787-11	s	IC MB7142H-SY70062
ICC3	8-759-004-80	s	IC MC74HCT374N
ICC4	8-759-004-80	s	IC MC74HCT374N
ICC5	8-759-004-80	s	IC MC74HCT374N
ICC6	8-759-004-80	s	IC MC74HCT374N
ICC7	8-759-913-63	s	IC SN74ALS374N
ICC9	8-759-004-80	s	IC MC74HCT374N
ICC10	8-759-793-96	s	IC PAL16R6B-SY70111
ICC13	8-759-938-87	s	IC CX20149
ICC14	8-759-742-93	s	IC MB7232RA-SY70022
ICC15	8-752-326-64	s	IC CXK5464PN-55L
ICC16	8-752-326-64	s	IC CXK5464PN-55L
ICC17	8-752-326-64	s	IC CXK5464PN-55L
ICC18	8-752-326-64	s	IC CXK5464PN-55L
ICC19	8-752-326-64	s	IC CXK5464PN-55L
ICC20	8-752-326-64	s	IC CXK5464PN-55L
ICC21	8-759-202-21	s	IC TC74HC32P
ICC22	8-759-202-74	s	IC TC74HC04P
ICC23	8-759-202-32	s	IC TC74HC163P
ICC25	8-759-908-71	s	IC SN74ALS244AN
ICC26	8-759-004-80	s	IC MC74HCT374N
ICC28	8-759-774-01	s	IC MBM27C512-SY70252
ICC29	8-759-203-36	s	IC TC74HC374P
ICC30	8-759-103-88	s	IC uPD82C43CY
ICC34	8-759-203-61	s	IC TC74HC688P
ICC35	8-759-916-65	s	IC SN74HC240N
ICD1	8-759-903-99	s	IC SN74LS399N

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(SY-70 BOARD, DVPC-1000)

#11201 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICD2	8-759-903-99	s	IC SN74LS399N
ICD3	8-759-774-99	s	IC MB7124H-SY70051
ICD4	8-759-989-69	s	IC SN74LS86AN
ICD5	8-759-989-69	s	IC SN74LS86AN
ICD6	8-759-938-87	s	IC CX20149
ICD7	8-759-112-37	s	IC uPD41101C-3
ICD8	8-759-774-22	s	IC MB7226RA-SY70011
ICD9	8-759-112-37	s	IC uPD41101C-3
ICD10	8-759-793-94	s	IC PAL16R4B-SY70091
ICD11	8-759-793-95	s	IC PAL16R4B-SY70101
ICD12	8-759-203-36	s	IC TC74HC374P
ICD13	8-759-004-80	s	IC MC74HCT374N
ICD14	8-759-004-80	s	IC MC74HCT374N
ICD16	8-759-937-86	s	IC CX20214
ICD17	8-759-937-86	s	IC CX20214
ICD18	8-759-937-86	s	IC CX20214
ICD20	8-759-937-86	s	IC CX20214
ICD21	8-759-913-63	s	IC SN74ALS374N
ICD22	8-759-904-87	s	IC 74F374PC
ICD23	8-759-202-32	s	IC TC74HC163P
ICD24	8-759-202-32	s	IC TC74HC163P
ICD25	8-759-794-64	s	IC PAL16R8B-SY70221
ICD26	8-759-202-11	s	IC TC74HC00P
ICD27	8-759-903-67	s	IC SN74LS367AN
ICD28	8-759-794-65	s	IC PAL16R8B-SY70231
ICD29	8-759-103-88	s	IC uPD82C43CY
ICD31	8-752-304-30	s	IC CX23043
ICD32	8-752-304-30	s	IC CX23043
ICD34	8-759-912-12	s	IC SN74ALS240AN
ICD35	8-759-916-65	s	IC SN74HC240N
ICE2	8-759-202-86	s	IC TC74HC123P
ICE4	8-759-202-86	s	IC TC74HC123P
ICE6	8-759-004-80	s	IC MC74HCT374N
ICE7	8-759-902-45	s	IC SN74LS245N
ICE8	8-759-004-80	s	IC MC74HCT374N
ICE9	8-759-902-45	s	IC SN74LS245N
ICE10	8-759-918-33	s	IC CX20160
ICE11	8-759-112-37	s	IC uPD41101C-3
ICE12	8-759-901-57	s	IC SN74LS157N
ICE13	8-759-918-33	s	IC CX20160
ICE14	8-759-112-37	s	IC uPD41101C-3
ICE15	8-759-901-57	s	IC SN74LS157N
ICE17	8-759-202-32	s	IC TC74HC163P
ICE18	8-759-803-70	s	IC LC74HC08
ICE19	8-759-794-40	s	IC PAL16R6B-SY70161
ICE21	8-759-202-32	s	IC TC74HC163P
ICE22	8-759-902-40	s	IC SN74LS240N
ICE23	8-759-202-32	s	IC TC74HC163P
ICE24	8-759-202-32	s	IC TC74HC163P
ICE25	8-759-904-87	s	IC 74F374PC
ICE26	8-759-915-93	s	IC 74F163APC
ICE27	8-759-202-11	s	IC TC74HC00P
ICE29	8-759-002-80	s	IC MC10H131L
ICE30	8-759-002-73	s	IC MC10H117L
ICE31	8-749-900-72	s	IC MC5400
ICE34	8-759-900-04	s	IC SN74LS04N
ICE35	8-759-926-32	s	IC AM26LS32PC
ICF2	8-759-202-34	s	IC TC74HC257P
ICF3	8-759-918-33	s	IC CX20160
ICF4	8-759-906-78	s	IC 74F399PC
ICF5	8-759-901-53	s	IC SN74LS153N
ICF6	8-759-901-53	s	IC SN74LS153N
ICF7	8-759-901-53	s	IC SN74LS153N
ICF8	8-759-918-33	s	IC CX20160
ICF9	8-759-794-43	s	IC PAL16R8B-SY70191
ICF10	8-759-938-44	s	IC SN74ALS688N
ICF11	8-759-004-80	s	IC MC74HCT374N
ICF12	8-759-938-44	s	IC SN74ALS688N
ICF13	8-759-774-98	s	IC MB7124H-SY70041
ICF14	8-759-004-80	s	IC MC74HCT374N

(SY-70 BOARD, DVPC-1000)

#11201 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICF15	8-759-794-38	s	IC PAL16R4B-SY70132
ICF16	8-759-916-50	s	IC SN74HC157N
ICF17	8-759-202-32	s	IC TC74HC163P
ICF18	8-759-202-32	s	IC TC74HC163P
ICF19	8-759-202-32	s	IC TC74HC163P
ICF20	8-759-803-70	s	IC LC74HC08
ICF21	8-759-202-74	s	IC TC74HC04P
ICF22	8-759-916-29	s	IC SN74HC74N
ICF23	8-759-202-75	s	IC TC74HCT04P
ICF25	8-759-300-25	s	IC HD10125
ICF26	8-759-302-31	s	IC HD10231
ICF27	8-759-302-31	s	IC HD10231
ICF30	8-759-001-16	s	IC MC10116L
ICG1	8-759-794-66	s	IC PAL16R8B-SY70152
ICG2	8-759-794-39	s	IC PAL16R8B-SY70143
ICG3	8-759-946-64	s	IC SN74ALS04BN
ICG4	8-759-202-32	s	IC TC74HC163P
ICG5	8-759-901-53	s	IC SN74LS153N
ICG6	8-759-901-53	s	IC SN74LS153N
ICG7	8-759-918-33	s	IC CX20160
ICG8	8-759-938-44	s	IC SN74ALS688N
ICG9	8-759-774-97	s	IC MB7124H-SY70031
ICG10	8-759-004-80	s	IC MC74HCT374N
ICG11	8-759-112-37	s	IC uPD41101C-3
ICG12	8-759-112-37	s	IC uPD41101C-3
ICG13	8-759-795-91	s	IC PAL16L8B-SY70261
ICG14	8-759-004-80	s	IC MC74HCT374N
ICG16	8-752-304-30	s	IC CX23043
ICG17	8-752-304-30	s	IC CX23043
ICG19	8-752-304-30	s	IC CX23043
ICG20	8-752-304-30	s	IC CX23043
ICG21	8-759-901-57	s	IC SN74LS157N
ICG22	8-759-904-84	s	IC 74F74PC
ICG23	8-759-202-75	s	IC TC74HCT04P
ICG24	8-759-202-11	s	IC TC74HC00P
ICG25	8-759-302-31	s	IC HD10231
ICG26	8-759-921-08	s	IC SN74HC02N
ICG27	8-759-202-11	s	IC TC74HC00P
ICG29	8-759-002-80	s	IC MC10H131L
ICG30	8-759-002-73	s	IC MC10H117L
ICG31	8-749-900-72	s	IC MC5400
ICG34	8-759-301-24	s	IC HD10124
ICH1	8-759-787-11	s	IC MB7142H-SY70062
ICH3	8-759-004-80	s	IC MC74HCT374N
ICH4	8-759-004-80	s	IC MC74HCT374N
ICH5	8-759-004-80	s	IC MC74HCT374N
ICH6	8-759-004-80	s	IC MC74HCT374N
ICH7	8-759-913-63	s	IC SN74ALS374N
ICH9	8-759-004-80	s	IC MC74HCT374N
ICH10	8-759-793-96	s	IC PAL16R6B-SY70111
ICH13	8-759-938-87	s	IC CX20149
ICH14	8-759-742-93	s	IC MB7232RA-SY70022
ICH15	8-752-326-64	s	IC CXK5464PN-55L
ICH16	8-752-326-64	s	IC CXK5464PN-55L
ICH17	8-752-326-64	s	IC CXK5464PN-55L
ICH18	8-752-326-64	s	IC CXK5464PN-55L
ICH19	8-752-326-64	s	IC CXK5464PN-55L
ICH20	8-752-326-64	s	IC CXK5464PN-55L
ICH21	8-759-202-21	s	IC TC74HC32P
ICH22	8-759-202-74	s	IC TC74HC04P
ICH23	8-759-904-80	s	IC 74F04PC
ICH24	8-759-916-29	s	IC SN74HC74N
ICH25	8-759-300-25	s	IC HD10125
ICH26	8-759-302-31	s	IC HD10231
ICH27	8-759-302-31	s	IC HD10231
ICH30	8-759-001-16	s	IC MC10116L
ICH34	8-759-002-73	s	IC MC10H117L
ICJ1	8-759-903-99	s	IC SN74LS399N
ICJ2	8-759-903-99	s	IC SN74LS399N
ICJ3	8-759-774-99	s	IC MB7124H-SY70051

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(SY-70 BOARD, DVPC-1000)

#11201 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICJ4	8-759-989-69	s	IC SN74LS86AN
ICJ5	8-759-989-69	s	IC SN74LS86AN
ICJ6	8-759-938-87	s	IC CX20149
ICJ7	8-759-112-37	s	IC uPD41101C-3
ICJ8	8-759-774-22	s	IC MB7226RA-SY70011
ICJ9	8-759-112-37	s	IC uPD41101C-3
ICJ10	8-759-793-94	s	IC PAL16R4B-SY70091
ICJ11	8-759-793-95	s	IC PAL16R4B-SY70101
ICJ12	8-759-203-36	s	IC TC74HC374P
ICJ13	8-759-004-80	s	IC MC74HCT374N
ICJ14	8-759-004-80	s	IC MC74HCT374N
ICJ16	8-759-937-86	s	IC CX20214
ICJ17	8-759-937-86	s	IC CX20214
ICJ18	8-759-937-86	s	IC CX20214
ICJ20	8-759-937-86	s	IC CX20214
ICJ21	8-759-913-63	s	IC SN74ALS374N
ICJ22	8-759-904-87	s	IC 74F374PC
ICJ23	8-759-794-68	s	IC PAL16R6B-SY70172
ICJ24	8-759-794-67	s	IC PAL16R6B-SY70241
ICJ25	8-759-904-87	s	IC 74F374PC
ICJ26	8-759-915-93	s	IC 74F163APC
ICJ27	8-759-202-11	s	IC TC74HC00P
ICJ28	8-759-902-40	s	IC SN74LS240N
ICJ33	8-759-708-08	s	IC NJM78L08A
JS1	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS2	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS3	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS4	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS5	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS6	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS7	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS8	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS9	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS10	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
L1	1-421-370-00	s	COIL, CHOKE
L2	1-421-370-00	s	COIL, CHOKE
L3	1-421-370-00	s	COIL, CHOKE
L4	1-421-370-00	s	COIL, CHOKE
L5	1-421-370-00	s	COIL, CHOKE
L6	1-421-370-00	s	COIL, CHOKE
L7	1-421-370-00	s	COIL, CHOKE
L8	1-421-370-00	s	COIL, CHOKE
L9	1-410-320-11	s	INDUCTOR, 2.2uH 20%
L10	1-410-320-11	s	INDUCTOR, 2.2uH 20%
L11	1-410-312-11	s	INDUCTOR, 0.22uH 20%
L12	1-410-312-11	s	INDUCTOR, 0.22uH 20%
L13	1-410-312-11	s	INDUCTOR, 0.22uH 20%
L14	1-410-312-11	s	INDUCTOR, 0.22uH 20%
LV1	1-410-746-11	s	VAR, INDUCTOR,
LV2	1-410-746-11	s	VAR, INDUCTOR,
Q101	8-729-800-10	s	TRANSISTOR 2SC3068
Q102	8-729-800-10	s	TRANSISTOR 2SC3068
Q103	8-729-100-88	s	TRANSISTOR 2SA1223
Q104	8-729-100-88	s	TRANSISTOR 2SA1223
Q105	8-729-117-33	s	TRANSISTOR 2SC1733
Q106	8-729-800-10	s	TRANSISTOR 2SC3068
Q107	8-729-600-60	s	TRANSISTOR 2SA1115P
Q108	8-729-600-60	s	TRANSISTOR 2SA1115P
Q201	8-729-800-10	s	TRANSISTOR 2SC3068
Q202	8-729-800-10	s	TRANSISTOR 2SC3068
Q203	8-729-100-88	s	TRANSISTOR 2SA1223
Q204	8-729-100-88	s	TRANSISTOR 2SA1223
Q205	8-729-117-33	s	TRANSISTOR 2SC1733
Q206	8-729-800-10	s	TRANSISTOR 2SC3068
Q207	8-729-600-60	s	TRANSISTOR 2SA1115P
Q208	8-729-600-60	s	TRANSISTOR 2SA1115P
R37	1-215-401-11	s	RES, METAL 150 1% 1/6W
R38	1-215-401-11	s	RES, METAL 150 1% 1/6W
R39	1-215-401-11	s	RES, METAL 150 1% 1/6W
R40	1-215-401-11	s	RES, METAL 150 1% 1/6W

(SY-70 BOARD, DVPC-1000)

#11201 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
R46	1-215-401-11	s	RES, METAL 150 1% 1/6W
R47	1-215-401-11	s	RES, METAL 150 1% 1/6W
R52	1-215-401-11	s	RES, METAL 150 1% 1/6W
R53	1-215-401-11	s	RES, METAL 150 1% 1/6W
R111	1-215-401-11	s	RES, METAL 150 1% 1/6W
R211	1-215-401-11	s	RES, METAL 150 1% 1/6W
RB1	1-231-398-00	s	RESISTOR BLOCK, 270X8
RB2	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB3	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB4	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB5	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB6	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB7	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB8	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB9	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB10	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB11	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB12	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB13	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB14	1-235-972-11	s	RESISTOR BLOCK, 100X8
RB15	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB16	1-231-401-00	s	RESISTOR BLOCK, 470X8
RB17	1-235-972-11	s	RESISTOR BLOCK, 100X8
RB18	1-235-972-11	s	RESISTOR BLOCK, 100X8
RB19	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB20	1-231-401-00	s	RESISTOR BLOCK, 470X8
RB21	1-235-972-11	s	RESISTOR BLOCK, 100X8
RB22	1-231-401-00	s	RESISTOR BLOCK, 470X8
RB23	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB24	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB25	1-235-972-11	s	RESISTOR BLOCK, 100X8
RB26	1-235-972-11	s	RESISTOR BLOCK, 100X8
RB27	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RV1	1-230-841-11	s	RES, VAR, METAL 2K
RV2	1-230-842-11	s	RES, VAR, METAL 5K
RV3	1-230-842-11	s	RES, VAR, METAL 5K
RV4	1-230-838-11	s	RES, VAR, METAL 200
RV6	1-230-838-11	s	RES, VAR, METAL 200
RV8	1-230-838-11	s	RES, VAR, METAL 200
RV9	1-230-838-11	s	RES, VAR, METAL 200
S1	1-570-623-11	s	SWITCH, DIP 4CKT
S2	1-553-925-00	s	SWITCH, ROTARY
S3	1-553-925-00	s	SWITCH, ROTARY
S4	1-553-925-00	s	SWITCH, ROTARY
S5	1-553-925-00	s	SWITCH, ROTARY
S6	1-553-925-00	s	SWITCH, ROTARY
S7	1-554-080-00	s	SWITCH, ROTARY
X1	1-527-828-00	s	CRYSTAL 12.000MHz

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

TG-28 BOARD, DVPC-1000

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6019-009-A	o	COMPLETE PCB, TG-28

(This assembly includes the following parts.)

Ref. No. or Qty	Part No.	SP	Description
1pc	3-715-721-81	o	LABEL (2), SERIAL NUMBER
2pcs	3-673-249-00	o	LEVER, PC BOARD
2pcs	7-621-775-10	s	SCREW, +B 2.6X4
2pcs	7-626-320-11	o	PIN, SPRING 3X8
3pcs	7-682-647-09	s	SCREW, +PS 3X6
3pcs	7-684-023-04	s	N 3, TYPE 2
6pcs	7-628-253-40	s	SCREW, +PS 2X10
21pcs	7-628-254-10	s	SCREW, +PSW, 2.6X6
C11	1-130-494-11	s	CAP, MYLAR 0.082uF 5% 50V
C12	1-136-169-00	s	CAP, MYLAR 0.22uF 5% 50V
C13	1-130-487-00	s	CAP, MYLAR 0.022uF 5% 50V
C14	1-130-489-00	s	CAP, MYLAR 0.033uF 5% 50V
C16	1-130-489-00	s	CAP, MYLAR 0.033uF 5% 50V
C17	1-130-483-00	s	CAP, MYLAR 0.01uF 5% 50V
C19	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C23	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C24	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C39	1-131-377-00	s	CAP, TANT 10uF 10% 10V
C40	1-130-483-00	s	CAP, MYLAR 0.01uF 5% 50V
C41	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C44	1-130-494-11	s	CAP, MYLAR 0.082uF 5% 50V
C45	1-130-494-11	s	CAP, MYLAR 0.082uF 5% 50V
C53	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C54	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C56	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C57	1-131-381-00	s	CAP, TANT 47uF 10% 10V
C58	1-161-379-00	s	CAP, CERAMIC 0.01uF 20% 25V
C60	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C61	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C72	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C77	1-131-377-00	s	CAP, TANT 10uF 10% 10V
C83	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C85	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C86	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C88	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C89	1-131-377-00	s	CAP, TANT 10uF 10% 10V
C92	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C93	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C107	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C108	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C109	1-131-381-00	s	CAP, TANT 47uF 10% 10V
C110	1-161-379-00	s	CAP, CERAMIC 0.01uF 20% 25V
C111	1-162-294-31	s	CAP, CERAMIC 0.001uF 10% 50V
C112	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C113	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C126	1-130-471-00	s	CAP, MYLAR 0.001uF 5% 50V
C127	1-130-471-00	s	CAP, MYLAR 0.001uF 5% 50V
C131	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C132	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C134	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C155	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C156	1-131-377-00	s	CAP, TANT 10uF 10% 10V
C159	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C171	1-131-377-00	s	CAP, TANT 10uF 10% 10V
C176	1-131-377-00	s	CAP, TANT 10uF 10% 10V
C177	1-131-377-00	s	CAP, TANT 10uF 10% 10V
C182	1-162-294-31	s	CAP, CERAMIC 0.001uF 10% 50V
C192	1-102-115-00	s	CAP, CERAMIC 560PF 10% 50V
C193	1-130-483-00	s	CAP, MYLAR 0.01uF 5% 50V
CN1	1-560-733-00	s	PIN, SHORT
CN101M	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103M	1-506-746-11	s	RECEP, DIN 48P, MALE
CP1	1-231-455-00	s	CR BLOCK, R=51,C=0.01
CP2	1-231-455-00	s	CR BLOCK, R=51,C=0.01
CP3	1-231-455-00	s	CR BLOCK, R=51,C=0.01
CP4	1-231-455-00	s	CR BLOCK, R=51,C=0.01
CP5	1-231-455-00	s	CR BLOCK, R=51,C=0.01
CP6	1-231-455-00	s	CR BLOCK, R=51,C=0.01
CP7	1-231-455-00	s	CR BLOCK, R=51,C=0.01
CP8	1-231-455-00	s	CR BLOCK, R=51,C=0.01

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(TG-28 BOARD, DVPC-1000)

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
CP9	1-231-455-00	s	CR BLOCK, R=51,C=0.01
CP10	1-231-455-00	s	CR BLOCK, R=51,C=0.01
D1	8-719-800-60	s	DIODE TLR214
D2	8-719-400-35	s	DIODE LN35BP
D3	8-719-100-15	s	DIODE RD3.0E-B
D4	8-719-815-55	s	DIODE 1S1555
D5	8-719-815-55	s	DIODE 1S1555
D6	8-719-815-55	s	DIODE 1S1555
D7	8-719-815-55	s	DIODE 1S1555
D12	8-719-815-55	s	DIODE 1S1555
D13	8-719-815-55	s	DIODE 1S1555
D14	8-719-815-55	s	DIODE 1S1555
F1	⚠ 1-532-926-12	s	FUSE, MICRO 10A
F2	⚠ 1-532-926-12	s	FUSE, MICRO 10A
IC1	8-759-170-05	s	IC uPC78M05H
IC2	8-759-700-24	s	IC NJM79M12A
IC3	8-759-170-12	s	IC uPC78M12H
IC4	8-759-107-45	s	IC uPA54HA
ICA1	8-759-900-04	s	IC SN74LS04N
ICA3	8-759-203-43	s	IC TC74HC534P
ICA4	8-759-203-43	s	IC TC74HC534P
ICA5	8-759-202-74	s	IC TC74HC04P
ICA6	8-759-202-32	s	IC TC74HC163P
ICA7	8-759-103-88	s	IC uPD82C43CY
ICA9	8-759-103-88	s	IC uPD82C43CY
ICA11	8-759-103-88	s	IC uPD82C43CY
ICA13	8-759-103-88	s	IC uPD82C43CY
ICA14	8-759-103-88	s	IC uPD82C43CY
ICA16	8-752-304-30	s	IC CX23043
ICA17	8-752-304-30	s	IC CX23043
ICA18	8-752-304-30	s	IC CX23043
ICA19	8-759-900-74	s	IC SN74LS74AN
ICA20	8-759-901-75	s	IC SN74LS175N
ICA21	8-759-902-21	s	IC SN74LS221N
ICA22	8-759-901-23	s	IC SN74LS123N
ICA23	8-759-901-53	s	IC SN74LS153N
ICA24	8-759-902-21	s	IC SN74LS221N
ICA25	8-759-900-74	s	IC SN74LS74AN
ICA26	8-759-900-00	s	IC SN74LS00N
ICA27	8-759-902-21	s	IC SN74LS221N
ICA28	8-759-900-04	s	IC SN74LS04N
ICA30	8-741-104-00	s	IC BX1040
ICA31	8-759-926-32	s	IC AM26LS32PC
ICB2	8-759-202-27	s	IC TC 74HC157P
ICB3	8-759-202-14	s	IC TC74HC08P
ICB4	8-759-202-11	s	IC TC74HC00P
ICB5	8-759-202-32	s	IC TC74HC163P
ICB6	8-759-202-32	s	IC TC74HC163P
ICB7	8-759-202-55	s	IC TC74HC244P
ICB8	8-759-202-55	s	IC TC74HC244P
ICB9	8-759-203-50	s	IC TC74HC574P
ICB10	8-759-203-50	s	IC TC74HC574P
ICB11	8-759-203-50	s	IC TC74HC574P
ICB12	8-759-203-50	s	IC TC74HC574P
ICB13	8-759-203-50	s	IC TC74HC574P
ICB14	8-759-203-50	s	IC TC74HC574P
ICB15	8-759-203-50	s	IC TC74HC574P
ICB16	8-759-903-74	s	IC SN74LS374N
ICB17	8-759-777-72	s	IC MB7138HSK-TG28012
ICB18	8-759-777-73	s	IC MB7138HSK-TG28022
ICB19	8-759-903-74	s	IC SN74LS374N
ICB20	8-759-901-23	s	IC SN74LS123N
ICB21	8-759-900-74	s	IC SN74LS74AN
ICB23	8-759-937-27	s	IC CXB1001G
ICC1	8-752-304-30	s	IC CX23043
ICC2	8-759-901-25	s	IC SN74LS125AN
ICC3	8-759-202-21	s	IC TC74HC32P
ICC5	8-759-202-27	s	IC TC74HC157P

(TG-28 BOARD, DVPC-1000)

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICC6	8-759-202-32	s	IC TC74HC163P
ICC7	8-759-202-12	s	IC TC74HC02P
ICC8	8-759-900-30	s	IC SN74LS30N
ICC10	8-759-202-32	s	IC TC74HC163P
ICC11	8-759-202-74	s	IC TC74HC04P
ICC12	8-759-203-50	s	IC TC74HC574P
ICC13	8-752-304-30	s	IC CX23043
ICC14	8-752-304-30	s	IC CX23043
ICC15	8-752-304-30	s	IC CX23043
ICC16	8-759-900-04	s	IC SN74LS04N
ICC17	8-759-900-74	s	IC SN74LS74AN
ICC18	8-759-900-04	s	IC SN74LS04N
ICC19	8-759-202-11	s	IC TC74HC00P
ICC20	8-759-000-99	s	IC MC74HC74N
ICC21	8-759-900-86	s	IC SN74LS86N
ICC22	8-759-774-77	s	IC MB7138HSK-TG28031
ICC27	8-759-901-25	s	IC SN74LS125AN
ICC28	8-759-103-19	s	IC uPC319C
ICC31	8-759-904-87	s	IC 74F374PC
ICC32	8-759-300-25	s	IC HD10125
ICC33	8-759-107-46	s	IC uPA64HA
ICC34	8-759-107-45	s	IC uPA54HA
ICD2	8-759-774-79	s	IC MB7138HSK-TG28151
ICD3	8-759-202-32	s	IC TC74HC163P
ICD5	8-759-202-27	s	IC TC74HC157P
ICD6	8-759-202-32	s	IC TC74HC163P
ICD7	8-759-202-27	s	IC TC74HC157P
ICD8	8-759-902-21	s	IC SN74LS221N
ICD9	8-759-912-48	s	IC SN74ALS874NT
ICD10	8-759-202-12	s	IC TC74HC02P
ICD11	8-759-900-04	s	IC SN74LS04N
ICD12	8-759-202-12	s	IC TC74HC02P
ICD13	8-759-900-04	s	IC SN74LS04N
ICD17	8-759-901-75	s	IC SN74LS175N
ICD18	8-759-900-00	s	IC SN74LS00N
ICD19	8-759-902-40	s	IC SN74LS240N
ICD20	8-759-203-54	s	IC TC74HC640P
ICD21	8-759-000-99	s	IC MC74HC74N
ICD23	8-759-918-71	s	IC CX23065
ICD25	8-759-990-82	s	IC TL082CP
ICD27	8-759-900-04	s	IC SN74LS04N
ICD28	8-757-732-00	s	IC CX773B
ICD29	8-759-902-40	s	IC SN74LS240N
ICD30	8-759-300-25	s	IC HD10125
ICD31	8-759-107-46	s	IC uPA64HA
ICD32	8-759-300-25	s	IC HD10125
ICD33	8-759-107-46	s	IC uPA64HA
ICD34	8-759-107-45	s	IC uPA54HA
ICE2	8-759-900-02	s	IC SN74LS02N
ICE3	8-759-900-74	s	IC SN74LS74AN
ICE4	8-759-901-23	s	IC SN74LS123N
ICE5	8-759-901-25	s	IC SN74LS125AN
ICE6	8-759-202-74	s	IC TC74HC04P
ICE7	8-759-202-84	s	IC TC74HC109P
ICE8	8-759-202-12	s	IC TC74HC02P
ICE9	8-759-790-13	s	IC VP16V8E-TG28041
ICE10	8-759-202-21	s	IC TC74HC32P
ICE11	8-759-790-14	s	IC VP16V8E-TG28051
ICE12	8-759-790-14	s	IC VP16V8E-TG28051
ICE13	8-759-001-39	s	IC MC74HC164N
ICE14	8-759-902-40	s	IC SN74LS240N
ICE15	8-759-912-48	s	IC SN74ALS874NT
ICE16	8-759-900-04	s	IC SN74LS04N
ICE17	8-759-774-36	s	IC MB7232RA-TG28061
ICE18	8-759-902-40	s	IC SN74LS240N
ICE19	8-759-203-61	s	IC TC74HC688P
ICE20	8-759-202-33	s	IC TC74HC240P
ICE21	8-759-202-33	s	IC TC74HC240P
ICE22	8-759-000-99	s	IC MC74HC74N
ICE23	8-759-918-71	s	IC CX23065

(TG-28 BOARD, DVPC-1000)

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICE28	8-759-906-86	s	IC AM686HC
ICE29	8-759-904-84	s	IC 74F74PC
ICE30	8-759-902-40	s	IC SN74LS240N
ICE31	8-759-904-80	s	IC 74F04PC
ICE32	8-759-301-24	s	IC HD10124
ICF2	8-759-900-08	s	IC SN74LS08N
ICF3	8-759-901-75	s	IC SN74LS175N
ICF4	8-759-202-32	s	IC TC74HC163P
ICF5	8-759-202-32	s	IC TC74HC163P
ICF6	8-759-202-32	s	IC TC74HC163P
ICF7	8-759-202-21	s	IC TC74HC32P
ICF8	8-759-203-43	s	IC TC74HC534P
ICF9	8-759-202-22	s	IC TC74HC74P
ICF10	8-759-202-32	s	IC TC74HC163P
ICF11	8-759-203-36	s	IC TC74HC374P
ICF12	8-759-203-36	s	IC TC74HC374P
ICF13	8-759-001-39	s	IC MC74HC164N
ICF14	8-759-902-40	s	IC SN74LS240N
ICF15	8-759-913-63	s	IC SN74ALS374N
ICF16	8-759-901-63	s	IC SN74LS163AN
ICF17	8-759-901-63	s	IC SN74LS163AN
ICF18	8-759-203-43	s	IC TC74HC534P
ICF21	8-759-777-59	s	IC MBL8742H-TG280711
ICF22	8-759-926-32	s	IC AM26LS32PC
ICF24	8-759-990-82	s	IC TL082CP
ICF29	8-759-904-84	s	IC 74F74PC
ICF30	8-759-904-80	s	IC 74F04PC
ICF31	8-759-926-32	s	IC AM26LS32PC
ICF32	8-759-902-40	s	IC SN74LS240N
ICF34	8-759-926-31	s	IC AM26LS31PC
ICG4	8-759-202-32	s	IC TC74HC163P
ICG5	8-759-202-74	s	IC TC74HC04P
ICG6	8-759-202-32	s	IC TC74HC163P
ICG7	8-759-900-04	s	IC SN74LS04N
ICG9	8-759-202-11	s	IC TC74HC00P
ICG10	8-759-000-99	s	IC MC74HC74N
ICG13	8-759-001-39	s	IC MC74HC164N
ICG15	8-759-202-26	s	IC TC74HC138P
ICG16	8-759-901-63	s	IC SN74LS163AN
ICG17	8-759-901-63	s	IC SN74LS163AN
ICG18	8-759-202-32	s	IC TC74HC163P
ICG19	8-759-202-74	s	IC TC74HC04P
ICG22	8-759-775-12	s	IC MBM27C256-TG28081
ICG23	8-759-900-74	s	IC SN74LS74AN
ICG24	8-759-040-44	s	IC MC4044P
ICG26	8-759-990-82	s	IC TL082CP
ICG28	8-759-900-04	s	IC SN74LS04N
ICG29	8-759-904-84	s	IC 74F74PC
ICG30	8-759-902-40	s	IC SN74LS240N
ICG31	8-759-902-40	s	IC SN74LS240N
ICH1	8-759-000-99	s	IC MC74HC74N
ICH2	8-759-203-50	s	IC TC74HC574P
ICH3	8-759-790-15	s	IC VP16V8E-TG28091
ICH4	8-759-203-50	s	IC TC74HC574P
ICH5	8-759-203-50	s	IC TC74HC574P
ICH6	8-759-790-15	s	IC VP16V8E-TG28091
ICH7	8-759-203-50	s	IC TC74HC574P
ICH8	8-759-203-50	s	IC TC74HC574P
ICH9	8-759-790-15	s	IC VP16V8E-TG28091
ICH10	8-759-203-50	s	IC TC74HC574P
ICH11	8-759-203-50	s	IC TC74HC574P
ICH12	8-759-790-15	s	IC VP16V8E-TG28091
ICH13	8-759-203-50	s	IC TC74HC574P
ICH14	8-759-001-39	s	IC MC74HC164N
ICH15	8-759-913-63	s	IC SN74ALS374N
ICH16	8-759-202-32	s	IC TC74HC163P
ICH17	8-759-902-21	s	IC SN74LS221N
ICH18	8-759-000-99	s	IC MC74HC74N
ICH19	8-759-202-14	s	IC TC74HC08P
ICH20	8-759-202-11	s	IC TC74HC00P
ICH21	8-752-304-30	s	IC CX23043

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(TG-28 BOARD, DVPC-1000)

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICH22	8-752-304-30	s	IC CX23043
ICH23	8-759-203-50	s	IC TC74HC574P
ICH24	8-759-202-32	s	IC TC74HC163P
ICH25	8-759-918-71	s	IC CX23065
ICH30	8-759-906-86	s	IC AM686HC
ICH31	8-759-904-80	s	IC 74F04PC
ICH32	8-759-301-24	s	IC HD10124
ICJ2	8-759-775-13	s	IC MBM27C256-TG28101
ICJ4	8-759-775-14	s	IC MBM27C256-TG28111
ICJ5	8-759-775-13	s	IC MBM27C256-TG28101
ICJ7	8-759-775-14	s	IC MBM27C256-TG28111
ICJ8	8-759-775-13	s	IC MBM27C256-TG28101
ICJ10	8-759-775-14	s	IC MBM27C256-TG28111
ICJ11	8-759-775-13	s	IC MBM27C256-TG28101
ICJ13	8-759-775-14	s	IC MBM27C256-TG28111
ICJ14	8-759-202-12	s	IC TC74HC02P
ICJ15	8-759-000-99	s	IC MC74HC74N
ICJ16	8-759-202-32	s	IC TC74HC163P
ICJ17	8-759-000-99	s	IC MC74HC74N
ICJ18	8-759-000-99	s	IC MC74HC74N
ICJ19	8-759-202-12	s	IC TC74HC02P
ICJ20	8-759-202-11	s	IC TC74HC00P
ICJ21	8-759-776-11	s	IC MB7138HSK-TG28142
ICJ22	8-759-901-63	s	IC SN74LS163AN
ICJ23	8-759-900-02	s	IC SN74LS02N
ICJ24	8-759-900-08	s	IC SN74LS08N
ICJ25	8-759-902-40	s	IC SN74LS240N
ICJ26	8-759-990-82	s	IC TL082CP
ICJ30	8-752-304-30	s	IC CX23043
ICJ31	8-759-900-74	s	IC SN74LS74AN
ICJ32	8-759-926-31	s	IC AM26LS31PC
ICK1	8-759-202-27	s	IC TC74HC157P
ICK2	8-759-790-16	s	IC VP16V8E-TG28121
ICK3	8-752-304-30	s	IC CX23043
ICK4	8-759-901-63	s	IC SN74LS163AN
ICK5	8-759-790-16	s	IC VP16V8E-TG28121
ICK6	8-752-304-30	s	IC CX23043
ICK7	8-759-901-63	s	IC SN74LS163AN
ICK8	8-759-790-16	s	IC VP16V8E-TG28121
ICK9	8-752-304-30	s	IC CX23043
ICK10	8-759-901-63	s	IC SN74LS163AN
ICK11	8-759-790-16	s	IC VP16V8E-TG28121
ICK12	8-752-304-30	s	IC CX23043
ICK13	8-759-901-63	s	IC SN74LS163AN
ICK14	8-759-900-04	s	IC SN74LS04N
ICK15	8-759-202-74	s	IC TC74HC04P
ICK16	8-759-774-55	s	IC MB7118H-TG28131
ICK17	8-752-304-30	s	IC CX23043
ICK18	8-752-304-30	s	IC CX23043
ICK19	8-752-304-30	s	IC CX23043
ICK20	8-759-203-50	s	IC TC74HC574P
ICK22	8-759-000-99	s	IC MC74HC74N
ICK23	8-759-202-12	s	IC TC74HC02P
ICK24	8-759-202-14	s	IC TC74HC08P
ICK25	8-759-900-04	s	IC SN74LS04N
ICK26	8-759-900-00	s	IC SN74LS00N
ICK27	8-759-900-74	s	IC SN74LS74AN
ICK28	8-759-901-23	s	IC SN74LS123N
ICK29	8-759-000-99	s	IC MC74HC74N
ICK30	8-759-901-09	s	IC SN74ALS109AN
ICK31	8-759-000-99	s	IC MC74HC74N
ICK32	8-759-926-32	s	IC AM26LS32PC
L2	1-410-330-11	s	INDUCTOR, 22uH 10%
L4	1-421-370-00	s	COIL, CHOKE
L5	1-421-370-00	s	COIL, CHOKE
L6	1-410-330-11	s	INDUCTOR, 22uH 10%
L7	1-410-330-11	s	INDUCTOR, 22uH 10%
L8	1-410-330-11	s	INDUCTOR, 22uH 10%

(TG-28 BOARD, DVPC-1000)

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
L9	1-410-330-11	s	INDUCTOR, 22uH 10%
L10	1-410-330-11	s	INDUCTOR, 22uH 10%
L11	1-421-370-00	s	COIL, CHOKE
L12	1-421-370-00	s	COIL, CHOKE
L13	1-421-370-00	s	COIL, CHOKE
L14	1-421-370-00	s	COIL, CHOKE
L15	1-421-370-00	s	COIL, CHOKE
Q1	8-729-900-36	s	TRANSISTOR DTC124ES
Q2	8-729-307-58	s	TRANSISTOR 2SC1775A
Q3	8-729-307-58	s	TRANSISTOR 2SC1775A
Q4	8-729-105-72	s	TRANSISTER 2SK523-L1
Q79	7-621-759-65	s	+PSW, 2.6X8
Q80	7-621-759-65	s	+PSW, 2.6X8
R192	1-214-564-00	s	RES, METAL 2K 1% 1/8W
RB1	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB2	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB3	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB4	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB5	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB6	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB7	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB8	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB9	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB10	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB11	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB12	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB13	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB14	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB15	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB16	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB17	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB18	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB19	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB20	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB21	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB22	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB23	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB24	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB25	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB26	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB27	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB28	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RV1	1-230-845-11	s	RES, VAR, METAL 50K
RV2	1-230-840-11	s	RES, VAR, METAL 1K
RV3	1-230-840-11	s	RES, VAR, METAL 1K
RV4	1-230-840-11	s	RES, VAR, METAL 1K
RV5	1-230-840-11	s	RES, VAR, METAL 1K
S1	1-553-925-00	s	SWITCH, ROTARY
S2	1-553-925-00	s	SWITCH, ROTARY
S3	1-553-925-00	s	SWITCH, ROTARY
S4	1-553-925-00	s	SWITCH, ROTARY
S5	1-553-925-00	s	SWITCH, ROTARY
S6	1-570-623-11	s	SWITCH, DIP 4CKT
S7	1-554-397-21	s	SWITCH, TOGGLE
X1	1-567-644-11	s	CRYSTAL 14.31818000MHz
X2	1-567-646-11	s	CRYSTAL 14.18750000MHz
X3	1-527-828-00	s	CRYSTAL 12.000MHz
X4	1-567-807-11	s	CRYSTAL 27.00000000MHz
X5	1-567-808-11	s	CRYSTAL 19.67364000MHz
X6	1-464-757-11	o	CRYSTAL 12.288MHz
X7	1-567-807-11	s	CRYSTAL 27.00000000MHz

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

TG-28 BOARD, DVPC-1000

#10701 & UP (J)
#21001 & UP (UC)
#11001 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6019-009-B	o	COMPLETE PCB, TG-28

(This assembly Includes the following parts.)

Ref. No. or Qty	Part No.	SP	Description
2pcs	3-673-249-11	o	LEVER, PC BOARD
1pc	3-715-721-81	o	LABEL (2), SERIAL NUMBER
2pcs	7-621-775-10	s	SCREW +B 2.6X4
2pcs	7-626-320-11	o	PIN, SPRING 3X8
6pcs	7-628-253-40	s	SCREW +PS 2X10
1pc	7-628-254-00	s	SCREW +PSW 2.6X5
20pcs	7-628-254-10	s	+PSW, 2.6X6
2pcs	7-628-254-20	s	+PSW, 2.6X8
2pcs	7-682-647-09	s	SCREW, +PS 3X6
2pcs	7-684-023-04	s	N 3, TYPE 2
C10	1-131-367-00	s	CAP, TANT 22uF 20% 20V
C11	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C13	1-130-495-00	s	CAP, MYLAR 0.1uF 5% 50V
C15	1-130-471-00	s	CAP, MYLAR 0.001uF 5% 50V
C19	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C22	1-130-483-00	s	CAP, MYLAR 0.01uF 5% 50V
C24	1-107-077-00	s	CAP, MICA 47pF 5% 50V
C25	1-130-483-00	s	CAP, MYLAR 0.01uF 5% 50V
C29	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C39	1-130-487-00	s	CAP, MYLAR 0.022uF 5% 50V
C42	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C43	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C56	1-130-494-11	s	CAP, MYLAR 0.082uF 5% 50V
C58	1-130-499-00	s	CAP, MYLAR 0.22uF 5% 50V
C59	1-131-347-00	s	CAP, TANT 1.0uF 20% 35V
C60	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C64	1-162-761-11	s	CAP, CERAMIC 470pF 5% 50V
C66	1-130-483-00	s	CAP, MYLAR 0.01uF 5% 50V
C100	1-162-761-11	s	CAP, CERAMIC 470pF 5% 50V
C105	1-162-761-11	s	CAP, CERAMIC 470pF 5% 50V
C109	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C111	1-130-471-00	s	CAP, MYLAR 0.001uF 5% 50V
C112	1-131-347-00	s	CAP, TANT 1.0uF 20% 35V
C133	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C134	1-131-365-00	s	CAP, TANT 10uF 20% 20V
C137	1-131-351-00	s	CAP, TANT 4.7uF 10% 35V
C139	1-130-491-00	s	CAP, MYLAR 0.047uF 5% 50V
C141	1-131-347-00	s	CAP, TANT 1.0uF 20% 35V
C144	1-124-462-00	s	CAP, ELECT 10uF 20% 16V
C189	1-124-236-00	s	CAP, ELECT 47uF 20% 16V
C235	1-130-494-11	s	CAP, MYLAR 0.082uF 5% 50V
C236	1-130-494-11	s	CAP, MYLAR 0.082uF 5% 50V
C312	1-124-462-00	s	CAP, ELECT 10uF 20% 16V
C313	1-123-332-00	s	CAP, ELECT 47uF 20% 25V
C315	1-130-483-00	s	CAP, MYLAR 0.01uF 5% 50V
C316	1-130-483-00	s	CAP, MYLAR 0.01uF 5% 50V
CN1	1-566-385-11	s	PIN, SHORT
CN101	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103	1-506-746-11	s	RECEP, DIN 48P, MALE
CP1	8-759-107-46	s	IC UPA64HA
CP2	8-759-107-45	s	IC UPA54HA
CP3	1-231-455-00	s	CR BLOCK, R=51, C=0.01
CP4	1-231-455-00	s	CR BLOCK, R=51, C=0.01
CP5	8-759-107-46	s	IC UPA64HA
CP6	8-759-107-45	s	IC UPA54HA
CP7	1-231-455-00	s	CR BLOCK, R=51, C=0.01
CP8	8-759-107-46	s	IC UPA64HA
CP9	8-759-107-45	s	IC UPA54HA
CP10	1-231-455-00	s	CR BLOCK, R=51, C=0.01
CP11	1-231-455-00	s	CR BLOCK, R=51, C=0.01
CP12	1-231-455-00	s	CR BLOCK, R=51, C=0.01
CP13	1-231-455-00	s	CR BLOCK, R=51, C=0.01
CP14	1-231-455-00	s	CR BLOCK, R=51, C=0.01
D1	8-719-800-60	s	DIODE TLR214
D2	8-719-400-35	s	DIODE LN35BP
D3	8-719-100-15	s	DIODE RD3.0E-B2
D5	8-719-815-55	s	DIODE 1S1555
D6	8-719-815-55	s	DIODE 1S1555

(TG-28 BOARD, DVPC-1000)

#10701 & UP (J)
#21001 & UP (UC)
#11001 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
F1	⚠ 1-576-031-11	s	FUSE, MICRO 10A
F2	⚠ 1-576-031-11	s	FUSE, MICRO 10A
IC1	8-759-108-05	s	IC uPC78L05A
IC2	8-759-105-40	s	IC UPC79M12H
IC3	8-759-170-12	s	IC UPC78M12H
ICA1	8-759-900-30	s	IC SN74LS30N
ICA3	8-759-103-88	s	IC UPD82C43CY
ICA4	8-759-103-88	s	IC UPD82C43CY
ICA5	8-759-103-88	s	IC UPD82C43CY
ICA6	8-759-103-88	s	IC UPD82C43CY
ICA8	8-759-103-88	s	IC UPD82C43CY
ICA13	8-757-903-00	s	IC CX7903
ICA15	8-757-732-00	s	IC CX773B
ICA16	8-759-989-69	s	IC SN74LS86AN
ICA17	8-759-900-74	s	IC SN74LS74AN
ICA18	8-759-901-53	s	IC SN74LS153N
ICA20	8-759-916-29	s	IC SN74HC74N
ICA21	8-759-900-74	s	IC SN74LS74AN
ICA22	8-759-902-21	s	IC SN74LS221N
ICA23	8-759-900-14	s	IC SN74LS14N
ICA24	8-759-103-19	s	IC UPC319C
ICA25	8-741-104-00	s	IC BX1040
ICA26	8-749-936-51	s	IC BX365A
ICA27	8-741-122-90	s	IC BX1229
ICB1	8-759-902-21	s	IC SN74LS221N
ICB3	8-759-203-50	s	IC TC74HC574P
ICB4	8-759-203-50	s	IC TC74HC574P
ICB5	8-759-203-50	s	IC TC74HC574P
ICB6	8-759-203-50	s	IC TC74HC574P
ICB7	8-759-203-50	s	IC TC74HC574P
ICB8	8-759-203-50	s	IC TC74HC574P
ICB9	8-759-203-50	s	IC TC74HC574P
ICB10	8-759-901-25	s	IC SN74LS125AN
ICB11	8-759-902-21	s	IC SN74LS221N
ICB13	8-759-901-23	s	IC SN74LS123N
ICB14	8-759-900-14	s	IC SN74LS14N
ICB15	8-759-900-00	s	IC SN74LS00N
ICB16	8-759-902-21	s	IC SN74LS221N
ICB17	8-759-782-12	s	IC MB7138HSK-TG28191
ICB18	8-759-937-27	s	IC CXB1001G
ICB21	8-759-904-87	s	IC 74F374PC
ICB22	8-759-300-25	s	IC HD10125
ICB24	8-759-300-25	s	IC HD10125
ICB28	8-759-300-25	s	IC HD10125
ICB31	8-759-301-24	s	IC HD10124
ICC2	8-759-912-48	s	IC SN74ALS874NT
ICC3	8-759-794-22	s	IC PAL16L8B-TG28041
ICC4	8-759-202-21	s	IC TC74HC32P
ICC5	8-759-202-32	s	IC TC74HC163P
ICC6	8-759-203-50	s	IC TC74HC574P
ICC7	8-752-304-30	s	IC CX23043
ICC8	8-752-304-30	s	IC CX23043
ICC9	8-752-304-30	s	IC CX23043
ICC10	8-759-202-26	s	IC TC74HC138P
ICC11	8-759-921-08	s	IC SN74HC02N
ICC12	8-759-900-74	s	IC SN74LS74AN
ICC13	8-759-900-74	s	IC SN74LS74AN
ICC14	8-759-901-63	s	IC SN74LS163AN
ICC15	8-759-900-74	s	IC SN74LS74AN
ICC16	8-759-989-69	s	IC SN74LS86AN
ICC17	8-759-900-14	s	IC SN74LS14N
ICC18	8-759-900-00	s	IC SN74LS00N
ICC19	8-759-901-23	s	IC SN74LS123N
ICC20	8-759-900-74	s	IC SN74LS74AN
ICC21	8-759-900-14	s	IC SN74LS14N
ICC22	8-759-900-00	s	IC SN74LS00N
ICC23	8-759-900-04	s	IC SN74LS04N
ICC24	8-752-304-30	s	IC CX23043
ICC25	8-759-918-71	s	IC CX23065
ICC28	8-759-900-04	s	IC SN74LS04N
ICC29	8-759-904-80	s	IC 74F04PC

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(TG-28 BOARD, DVPC-1000)

#10701 & UP (J)
#21001 & UP (UC)
#11001 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICC30	8-759-904-77	s	IC AM26LS32AC
ICC31	8-759-904-76	s	IC AM26LS31CN
ICD3	8-759-916-29	s	IC SN74HC74N
ICD4	8-759-794-23	s	IC PAL16L8B-TG28051
ICD5	8-759-794-23	s	IC PAL16L8B-TG28051
ICD6	8-759-921-08	s	IC SN74HC02N
ICD7	8-759-900-04	s	IC SN74LS04N
ICD8	8-759-203-01	s	IC TC74HC175P
ICD9	8-759-203-01	s	IC TC74HC175P
ICD10	8-759-202-11	s	IC TC74HC00P
ICD11	8-759-921-08	s	IC SN74HC74N
ICD12	8-759-921-08	s	IC SN74HC74N
ICD13	8-759-900-74	s	IC SN74LS74AN
ICD14	8-759-900-02	s	IC SN74LS02N
ICD15	8-759-900-04	s	IC SN74LS04N
ICD16	8-752-304-30	s	IC CX23043
ICD17	8-752-304-30	s	IC CX23043
ICD18	8-759-989-69	s	IC SN74LS86AN
ICD20	8-759-906-66	s	IC 74F86PC
ICD21	8-759-915-93	s	IC 74F163APC
ICD22	8-759-904-84	s	IC 74F74PC
ICD23	8-759-918-71	s	IC CX23065
ICD27	8-759-906-86	s	IC AM686HC
ICD28	8-759-904-80	s	IC 74F04PC
ICD29	8-759-900-74	s	IC SN74LS74AN
ICD30	8-759-902-40	s	IC SN74LS240N
ICD31	8-759-902-40	s	IC SN74LS240N
ICE2	8-759-900-04	s	IC SN74LS04N
ICE3	8-759-900-08	s	IC SN74LS08N
ICE4	8-759-900-04	s	IC SN74LS04N
ICE5	8-759-921-08	s	IC SN74HC02N
ICE6	8-759-202-74	s	IC TC74HC04P
ICE7	8-759-203-43	s	IC TC74HC534P
ICE8	8-759-202-11	s	IC TC74HC00P
ICE9	8-759-921-08	s	IC SN74HC74N
ICE10	8-759-774-55	s	IC MB7118H-TG28131
ICE11	8-752-304-30	s	IC CX23043
ICE12	8-759-774-36	s	IC MB7232RA-TG28061
ICE13	8-759-202-32	s	IC TC74HC163P
ICE14	8-759-921-08	s	IC SN74HC74N
ICE15	8-759-921-08	s	IC SN74HC74N
ICE16	8-752-304-30	s	IC CX23043
ICE17	8-759-786-44	s	IC MBM27C256A-TG28081
ICE19	8-759-202-32	s	IC TC74HC163P
ICE20	8-752-304-30	s	IC CX23043
ICE21	8-759-745-16	s	IC MB7138HSK-TG28221
ICE22	8-759-900-08	s	IC SN74LS08N
ICE23	8-759-921-08	s	IC SN74HC74N
ICE24	8-759-921-08	s	IC SN74HC74N
ICE25	8-759-921-08	s	IC SN74HC74N
ICE27	8-759-783-36	s	IC MBL8742H-TG280712
ICE30	8-759-902-40	s	IC SN74LS240N
ICE31	8-759-203-54	s	IC TC74HC640P
ICF13	8-759-921-08	s	IC SN74HC74N
ICF14	8-759-803-70	s	IC LC74HC08
ICF15	8-759-900-04	s	IC SN74LS04N
ICF20	8-759-202-84	s	IC TC74HC109P
ICF21	8-759-203-50	s	IC TC74HC574P
ICF22	8-759-794-13	s	IC PAL16R6B-TG28211
ICF23	8-752-304-30	s	IC CX23043
ICF24	8-752-304-30	s	IC CX23043
ICF25	8-759-202-11	s	IC TC74HC00P
ICF26	8-759-916-65	s	IC SN74HC240N
ICF30	8-759-203-61	s	IC TC74HC688P
ICF31	8-759-916-65	s	IC SN74HC240N
ICG2	8-759-921-08	s	IC SN74HC02N
ICG3	8-759-202-74	s	IC TC74HC04P
ICG4	8-759-203-36	s	IC TC74HC374P
ICG5	8-759-203-36	s	IC TC74HC374P
ICG7	8-759-202-32	s	IC TC74HC163P

(TG-28 BOARD, DVPC-1000)

#10701 & UP (J)
#21001 & UP (UC)
#11001 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICG8	8-759-902-40	s	IC SN74LS240N
ICG9	8-759-902-40	s	IC SN74LS240N
ICG10	8-759-202-32	s	IC TC74HC163P
ICG11	8-759-202-32	s	IC TC74HC163P
ICG12	8-759-921-08	s	IC SN74HC02N
ICG13	8-759-202-32	s	IC TC74HC163P
ICG14	8-759-202-32	s	IC TC74HC163P
ICG15	8-759-803-70	s	IC LC74HC08
ICG16	8-759-202-11	s	IC TC74HC00P
ICG17	8-759-921-08	s	IC SN74HC74N
ICG18	8-759-203-50	s	IC TC74HC574P
ICH2	8-759-203-50	s	IC TC74HC574P
ICH3	8-759-793-86	s	IC PAL16L8B-TG28091
ICH4	8-759-203-50	s	IC TC74HC574P
ICH5	8-759-203-50	s	IC TC74HC574P
ICH6	8-759-793-86	s	IC PAL16L8B-TG28091
ICH7	8-759-203-50	s	IC TC74HC574P
ICH8	8-759-203-50	s	IC TC74HC574P
ICH9	8-759-793-86	s	IC PAL16L8B-TG28091
ICH10	8-759-203-50	s	IC TC74HC574P
ICH11	8-759-203-50	s	IC TC74HC574P
ICH12	8-759-793-86	s	IC PAL16L8B-TG28091
ICH13	8-759-203-50	s	IC TC74HC574P
ICH14	8-759-004-80	s	IC MC74HCT374N
ICH15	8-759-004-80	s	IC MC74HCT374N
ICH16	8-759-202-92	s	IC TC74HC151P
ICH17	8-759-203-36	s	IC TC74HC374P
ICH18	8-759-203-36	s	IC TC74HC374P
ICH19	8-759-202-93	s	IC TC74HC153P
ICH21	8-759-803-70	s	IC LC74HC08
ICH22	8-759-902-21	s	IC SN74LS221N
ICH23	8-759-001-39	s	IC MC74HC164N
ICH24	8-759-202-74	s	IC TC74HC04P
ICH25	8-759-203-43	s	IC TC74HC534P
ICH26	8-759-004-63	s	IC MC74HC125N
ICH27	8-759-202-32	s	IC TC74HC163P
ICH28	8-759-202-74	s	IC TC74HC04P
ICH29	8-759-904-84	s	IC 74F74PC
ICH31	8-759-900-04	s	IC SN74LS04N
ICJ20	8-759-203-01	s	IC TC74HC175P
ICJ22	8-759-202-74	s	IC TC74HC04P
ICJ23	8-759-921-08	s	IC SN74HC74N
ICJ24	8-759-921-08	s	IC SN74HC74N
ICJ25	8-759-916-50	s	IC SN74HC157N
ICJ26	8-759-921-08	s	IC SN74HC74N
ICJ27	8-759-202-32	s	IC TC74HC163P
ICJ28	8-759-202-32	s	IC TC74HC163P
ICJ29	8-759-202-32	s	IC TC74HC163P
ICJ30	8-759-902-21	s	IC SN74LS221N
ICJ31	8-759-900-04	s	IC SN74LS04N
ICK2	8-759-786-46	s	IC MBM27C256A-TG28111
ICK3	8-759-786-45	s	IC MBM27C256A-TG28101
ICK5	8-759-786-46	s	IC MBM27C256A-TG28111
ICK6	8-759-786-45	s	IC MBM27C256A-TG28101
ICK8	8-759-786-46	s	IC MBM27C256-TG28111
ICK9	8-759-786-45	s	IC MBM27C256A-TG28101
ICK11	8-759-786-46	s	IC MBM27C256A-TG28111
ICK12	8-759-786-45	s	IC MBM27C256A-TG28101
ICK14	8-759-782-11	s	IC MB7138HSK-TG28161
ICK15	8-759-782-13	s	IC MB7138HSK-TG28201
ICK16	8-759-781-68	s	IC MB7232RA-TG28171
ICK17	8-759-781-70	s	IC MBM27C32A-TG28181
ICK19	8-759-912-48	s	IC SN74ALS874NT
ICK20	8-759-902-40	s	IC SN74LS240N
ICK22	8-759-916-50	s	IC SN74HC157N
ICK23	8-759-202-32	s	IC TC74HC163P
ICK24	8-759-202-32	s	IC TC74HC163P
ICK25	8-759-202-32	s	IC TC74HC163P
ICK26	8-759-921-08	s	IC SN74HC02N
ICK27	8-759-203-43	s	IC TC74HC534P

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(TG-28 BOARD, DVPC-1000)

#10701 & UP (J)
#21001 & UP (UC)
#11001 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICK28	8-759-202-11	s	IC TC74HC00P
ICK29	8-759-202-21	s	IC TC74HC32P
ICK30	8-759-202-93	s	IC TC74HC153P
ICK31	8-759-904-76	s	IC AM26LS31CN
ICL2	8-759-793-87	s	IC PAL16R6B-TG28121
ICL3	8-752-304-30	s	IC CX23043
ICL4	8-759-202-32	s	IC TC74HC163P
ICL5	8-759-793-87	s	IC PAL16R6B-TG28121
ICL6	8-752-304-30	s	IC CX23043
ICL7	8-759-202-32	s	IC TC74HC163P
ICL8	8-759-793-87	s	IC PAL16R6B-TG28121
ICL9	8-752-304-30	s	IC CX23043
ICL10	8-759-202-32	s	IC TC74HC163P
ICL11	8-759-793-87	s	IC PAL16R6B-TG28121
ICL12	8-752-304-30	s	IC CX23043
ICL13	8-759-202-32	s	IC TC74HC163P
ICL14	8-752-304-30	s	IC CX23043
ICL15	8-752-304-30	s	IC CX23043
ICL16	8-752-304-30	s	IC CX23043
ICL17	8-752-304-30	s	IC CX23043
ICL17	8-752-304-30	s	IC CX23043
ICL18	8-759-202-32	s	IC TC74HC163P
ICL19	8-759-913-63	s	IC SN74ALS374N
ICL20	8-759-913-63	s	IC SN74ALS374N
ICL22	8-759-916-50	s	IC SN74HC157N
ICL23	8-759-202-32	s	IC TC74HC163P
ICL24	8-759-001-39	s	IC MC74HC164N
ICL25	8-759-001-39	s	IC MC74HC164N
ICL26	8-759-202-32	s	IC TC74HC163P
ICL27	8-759-001-39	s	IC MC74HC164N
ICL28	8-759-001-39	s	IC MC74HC164N
ICL29	8-759-921-08	s	IC SN74HC74N
ICL30	8-759-202-74	s	IC TC74HC04P
ICL31	8-759-904-77	s	IC AM26LS32AC
L1	1-410-509-11	s	INDUCTOR 10uH 5%
L3	1-410-513-11	s	INDUCTOR 22uH 5%
L4	1-410-513-11	s	INDUCTOR 22uH 5%
L5	1-410-509-11	s	INDUCTOR 10uH 5%
L6	1-410-509-11	s	INDUCTOR 10uH 5%
L7	1-410-509-11	s	INDUCTOR 10uH 5%
L8	1-410-509-11	s	INDUCTOR 10uH 5%
L9	1-410-509-11	s	INDUCTOR 10uH 5%
L10	1-410-501-11	s	INDUCTOR 2.2uH 5%
L11	1-410-513-11	s	INDUCTOR 22uH 5%
L12	1-421-370-00	s	COIL, CHOKE
L13	1-421-370-00	s	COIL, CHOKE
L14	1-421-370-00	s	COIL, CHOKE
L15	1-421-370-00	s	COIL, CHOKE
L16	1-421-370-00	s	COIL, CHOKE
L17	1-421-370-00	s	COIL, CHOKE
L18	1-421-370-00	s	COIL, CHOKE
L19	1-408-397-00	s	INDUCTOR 1.00uH 5%
L20	1-408-397-00	s	INDUCTOR 1.00uH 5%
L21	1-408-397-00	s	INDUCTOR 1.00uH 5%
L22	1-408-397-00	s	INDUCTOR 1.00uH 5%
L23	1-408-397-00	s	INDUCTOR 1.00uH 5%
L24	1-408-397-00	s	INDUCTOR 1.00uH 5%
L25	1-408-397-00	s	INDUCTOR 1.00uH 5%
L26	1-408-397-00	s	INDUCTOR 1.00uH 5%
L27	1-408-397-00	s	INDUCTOR 1.00uH 5%
L28	1-408-397-00	s	INDUCTOR 1.00uH 5%
L29	1-408-397-00	s	INDUCTOR 1.00uH 5%
L30	1-408-397-00	s	INDUCTOR 1.00uH 5%
L31	1-408-397-00	s	INDUCTOR 1.00uH 5%
L32	1-408-397-00	s	INDUCTOR 1.00uH 5%
L33	1-408-397-00	s	INDUCTOR 1.00uH 5%
L34	1-408-397-00	s	INDUCTOR 1.00uH 5%
L35	1-408-397-00	s	INDUCTOR 1.00uH 5%
L36	1-408-397-00	s	INDUCTOR 1.00uH 5%
Q1	8-729-900-63	s	TRANSISTOR DTA124ES

(TG-28 BOARD, DVPC-1000)

#10701 & UP (J)
#21001 & UP (UC)
#11001 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
Q2	8-729-900-63	s	TRANSISTOR DTA124ES
Q4	8-729-105-72	s	TRANSISTOR 2SK523-L1
Q5	8-729-105-72	s	TRANSISTOR 2SK523-L1
Q6	8-729-900-36	s	TRANSISTOR DTC124ES
R46	1-214-509-00	s	RES, METAL 10 1% 1/8W
R47	1-214-509-00	s	RES, METAL 10 1% 1/8W
R48	1-214-509-00	s	RES, METAL 10 1% 1/8W
R49	1-214-509-00	s	RES, METAL 10 1% 1/8W
R50	1-214-509-00	s	RES, METAL 10 1% 1/8W
R51	1-214-509-00	s	RES, METAL 10 1% 1/8W
R52	1-214-509-00	s	RES, METAL 10 1% 1/8W
R53	1-214-509-00	s	RES, METAL 10 1% 1/8W
R54	1-214-509-00	s	RES, METAL 10 1% 1/8W
R55	1-214-509-00	s	RES, METAL 10 1% 1/8W
R56	1-214-509-00	s	RES, METAL 10 1% 1/8W
R57	1-214-509-00	s	RES, METAL 10 1% 1/8W
R58	1-214-509-00	s	RES, METAL 10 1% 1/8W
R59	1-214-509-00	s	RES, METAL 10 1% 1/8W
R60	1-214-509-00	s	RES, METAL 10 1% 1/8W
R61	1-214-509-00	s	RES, METAL 10 1% 1/8W
R62	1-214-509-00	s	RES, METAL 10 1% 1/8W
R63	1-214-509-00	s	RES, METAL 10 1% 1/8W
R113	1-214-527-00	s	RES, METAL 56 1% 1/8W
R114	1-214-527-00	s	RES, METAL 56 1% 1/8W
R115	1-214-527-00	s	RES, METAL 56 1% 1/8W
R116	1-214-527-00	s	RES, METAL 56 1% 1/8W
R117	1-214-527-00	s	RES, METAL 56 1% 1/8W
R118	1-214-527-00	s	RES, METAL 56 1% 1/8W
R119	1-214-527-00	s	RES, METAL 56 1% 1/8W
R120	1-214-527-00	s	RES, METAL 56 1% 1/8W
R121	1-214-527-00	s	RES, METAL 56 1% 1/8W
R122	1-214-527-00	s	RES, METAL 56 1% 1/8W
R123	1-214-527-00	s	RES, METAL 56 1% 1/8W
R124	1-214-527-00	s	RES, METAL 56 1% 1/8W
R125	1-214-527-00	s	RES, METAL 56 1% 1/8W
R126	1-214-527-00	s	RES, METAL 56 1% 1/8W
R127	1-214-527-00	s	RES, METAL 56 1% 1/8W
R128	1-214-527-00	s	RES, METAL 56 1% 1/8W
R129	1-214-527-00	s	RES, METAL 56 1% 1/8W
R130	1-214-527-00	s	RES, METAL 56 1% 1/8W
RB2	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB3	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB4	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB5	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB6	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB7	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB8	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB9	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB11	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB20	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB21	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RV1	1-237-520-21	s	RES, VAR, METAL 50K
S1	1-553-925-00	s	SWITCH, ROTARY
S2	1-553-925-00	s	SWITCH, ROTARY
S3	1-553-925-00	s	SWITCH, ROTARY
S4	1-553-925-00	s	SWITCH, ROTARY
S5	1-553-925-00	s	SWITCH, ROTARY
S6	1-570-623-11	s	SWITCH, DIP 4CKT
S7	1-554-397-21	s	SWITCH, TOGGLE
X1	1-567-644-11	s	CRYSTAL 14.31818000MHz
X2	1-567-646-11	s	CRYSTAL 14.18750000MHz
X3	1-464-757-11	s	CRYSTAL 12.288MHz
X4	1-567-979-11	s	CRYSTAL 27.00000000MHz
X5	1-527-828-00	s	CRYSTAL 12.000MHz
X6	1-567-808-11	s	CRYSTAL 19.67364000MHz

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

TX-21 BOARD, DVPC-1000

Ref. No or Qty	Part No.	SP	Description
1pc	A-6026-077-A	o	MOUNTED PCB, TX-12

(This assembly includes the following parts.)

Ref. No or Qty	Part No.	SP	Description
CN51M	1-564-943-11	o	RECEP, 12P, MALE
CN52M	1-564-943-11	o	RECEP, 12P, MALE
CN53M	1-564-943-11	o	RECEP, 12P, MALE
CN54M	1-564-943-11	o	RECEP, 12P, MALE
CN55M	1-564-943-11	o	RECEP, 12P, MALE
CN56M	1-564-943-11	o	RECEP, 12P, MALE
CN57M	1-560-303-00	o	RECEP, IL 6P, MALE
CN58M	1-560-303-00	o	RECEP, IL 6P, MALE
CN59M	1-560-300-00	o	RECEP, IL 3P, MALE
CN60M	1-560-301-00	o	RECEP, IL 4P, MALE
CN61M	1-560-300-00	o	RECEP, IL 3P, MALE
CN62M	1-560-300-00	o	RECEP, IL 3P, MALE
CN63M	1-560-726-00	o	RECEP, 20P, MALE
CN64M	1-560-300-00	o	RECEP, IL 3P, MALE

VA-45 BOARD, DVPC-1000

#10001 TO 21299 (J)
#10001 TO 20999 (UC)
#10001 TO 11199 (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6019-002-A	o	COMPLETE PCB, VA-45

(This assembly includes the following parts.)

Ref. No. or Qty	Part No.	SP	Description
1pc	3-715-721-11	o	LABEL (2), SERIAL NUMBER
2pcs	3-673-249-00	o	LEVER, PC BOARD
2pcs	7-621-775-10	s	SCREW, +B 2.6X4
2pcs	7-626-320-11	o	PIN, SPRING 3X8
3pcs	4-875-726-00	s	SHEET, INSULATING
5pcs	7-628-254-20	s	SCREW, +PSW, 2.6X8
6pcs	7-628-253-40	s	SCREW, +PS 2X10
31pcs	7-628-254-10	s	SCREW, +PSW, 2.6X6
C135	1-130-495-00	s	CAP, MYLAR 0.1uF 5% 50V
C136	1-130-471-00	s	CAP, MYLAR 0.001uF 5% 50V
C149	1-131-381-00	s	CAP, TANT 47uF 10% 10V
C150	1-131-381-00	s	CAP, TANT 47uF 10% 10V
C235	1-130-495-00	s	CAP, MYLAR 0.1uF 5% 50V
C236	1-130-471-00	s	CAP, MYLAR 0.001uF 5% 50V
C249	1-131-381-00	s	CAP, TANT 47uF 10% 10V
C250	1-131-381-00	s	CAP, TANT 47uF 10% 10V
C335	1-130-495-00	s	CAP, MYLAR 0.1uF 5% 50V
C336	1-130-471-00	s	CAP, MYLAR 0.001uF 5% 50V
C349	1-131-381-00	s	CAP, TANT 47uF 10% 10V
C350	1-131-381-00	s	CAP, TANT 47uF 10% 10V
C402	1-131-341-00	s	CAP, TANT 0.1uF 10% 35V
C403	1-131-341-00	s	CAP, TANT 0.1uF 10% 35V
C408	1-161-485-00	s	CAP, CERAMIC 0.1uF 50V
C410	1-131-381-00	s	CAP, TANT 47uF 10% 10V
C415	1-130-471-00	s	CAP, MYLAR 0.001uF 5% 50V
C416	1-130-495-00	s	CAP, MYLAR 0.1uF 5% 50V
C502	1-131-341-00	s	CAP, TANT 0.1uF 10% 35V
C503	1-131-341-00	s	CAP, TANT 0.1uF 10% 35V
C508	1-161-485-00	s	CAP, CERAMIC 0.1uF 50V
C510	1-131-381-00	s	CAP, TANT 47uF 10% 10V
C515	1-130-471-00	s	CAP, MYLAR 0.001uF 5% 50V
C516	1-130-495-00	s	CAP, MYLAR 0.1uF 5% 50V
C602	1-131-341-00	s	CAP, TANT 0.1uF 10% 35V
C603	1-131-341-00	s	CAP, TANT 0.1uF 10% 35V
C608	1-161-485-00	s	CAP, CERAMIC 0.1uF 50V
C610	1-131-381-00	s	CAP, TANT 47uF 10% 10V
C615	1-130-471-00	s	CAP, MYLAR 0.001uF 5% 50V
C616	1-130-495-00	s	CAP, MYLAR 0.1uF 5% 50V
C801	1-161-485-00	s	CAP, CERAMIC 0.1uF 50V
C802	1-109-807-00	s	CAP, MICA 100PF 1% 100V
C803	1-109-532-00	s	CAP, MICA 75PF 5% 100V
C804	1-130-483-00	s	CAP, MYLAR 0.01uF 5% 50V
C831	1-161-485-00	s	CAP, CERAMIC 0.1uF 50V
C832	1-109-807-00	s	CAP, MICA 100PF 1% 100V
C833	1-109-532-00	s	CAP, MICA 75PF 5% 100V
C834	1-130-483-00	s	CAP, MYLAR 0.01uF 5% 50V
C862	1-109-807-00	s	CAP, MICA 100PF 1% 100V
C864	1-130-483-00	s	CAP, MYLAR0.01uF 5% 50V
CN5	1-566-385-11	s	PIN, CONNECTOR 2P
CN6	1-566-385-11	s	PIN, CONNECTOR 2P
CN7	1-566-385-11	s	PIN, CONNECTOR 2P
CN8	1-566-385-11	s	PIN, CONNECTOR 2P
CN9	1-566-385-11	s	PIN, CONNECTOR 2P
CN10	1-566-385-11	s	PIN, CONNECTOR 2P
CN11	1-566-385-11	s	PIN, CONNECTOR 2P
CN12	1-566-385-11	s	PIN, CONNECTOR 2P
CN13	1-566-385-11	s	PIN, CONNECTOR 2P
CN14	1-566-385-11	s	PIN, CONNECTOR 2P
CN15	1-566-385-11	s	PIN, CONNECTOR 2P
CN16	1-566-385-11	s	PIN, CONNECTOR 2P
CN17	1-566-385-11	s	PIN, CONNECTOR 2P
CN18	1-566-385-11	s	PIN, CONNECTOR 2P
CN19	1-566-385-11	s	PIN, CONNECTOR 2P
CN20	1-566-385-11	s	PIN, CONNECTOR 2P
CN21	1-566-385-11	s	PIN, CONNECTOR 2P
CN22	1-566-385-11	s	PIN, CONNECTOR 2P
CN23	1-566-385-11	s	PIN, CONNECTOR 2P
CN24	1-566-385-11	s	PIN, CONNECTOR 2P
CN25	1-566-385-11	s	PIN, CONNECTOR 2P
CN26	1-566-385-11	s	PIN, CONNECTOR 2P

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(VA-45 BOARD, DVPC-1000)

#10001 TO 21299 (J)
#10001 TO 20999 (UC)
#10001 TO 11199 (EK)

Ref. No. or Qty	Part No.	SP	Description
CN27	1-566-385-11	s	PIN, CONNECTOR 2P
CN28	1-566-385-11	s	PIN, CONNECTOR 2P
CN29	1-566-385-11	s	PIN, CONNECTOR 2P
CN30	1-566-385-11	s	PIN, CONNECTOR 2P
CN31	1-566-385-11	s	PIN, CONNECTOR 2P
CN32	1-566-385-11	s	PIN, CONNECTOR 2P
CN33	1-566-385-11	s	PIN, CONNECTOR 2P
CN34	1-566-385-11	s	PIN, CONNECTOR 2P
CN35	1-566-385-11	s	PIN, CONNECTOR 2P
CN36	1-566-385-11	s	PIN, CONNECTOR 2P
CN37	1-566-385-11	s	PIN, CONNECTOR 2P
CN38	1-566-385-11	s	PIN, CONNECTOR 2P
CN39	1-566-385-11	s	PIN, CONNECTOR 2P
CN40	1-566-385-11	s	PIN, CONNECTOR 2P
CN101M	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN601	1-560-733-00	s	PIN, SHORT
CN602	1-560-733-00	s	PIN, SHORT
CP1	1-231-455-00	s	CR BLOCK, R=51,C=0.01
CP2	1-231-455-00	s	CR BLOCK, R=51,C=0.01
CP3	1-231-455-00	s	CR BLOCK, R=51,C=0.01
CP4	1-231-455-00	s	CR BLOCK, R=51,C=0.01
CP5	1-231-455-00	s	CR BLOCK, R=51,C=0.01
D1	8-719-815-55	s	DIODE 1S1555
D2	8-719-815-55	s	DIODE 1S1555
D102	8-719-815-55	s	DIODE 1S1555
D104	8-719-102-51	s	DIODE 1SZ51
D202	8-719-815-55	s	DIODE 1S1555
D204	8-719-102-51	s	DIODE 1SZ51
D301	8-719-100-13	s	DIODE RD2.7E-B2
D302	8-719-400-35	s	DIODE LN35BP
D303	8-719-100-13	s	DIODE RD2.7E-B2
D304	8-719-102-51	s	DIODE 1SZ51
D401	8-719-102-51	s	DIODE 1SZ51
D501	8-719-102-51	s	DIODE 1SZ51
D601	8-719-102-51	s	DIODE 1SZ51
D707	8-719-815-55	s	DIODE 1S1555
D801	8-719-911-19	s	DIODE 1SS119
D802	8-719-911-19	s	DIODE 1SS119
D803	8-719-100-21	s	DIODE RD3.9E-B2
D804	8-719-102-51	s	DIODE 1SZ51
D831	8-719-911-19	s	DIODE 1SS119
D832	8-719-911-19	s	DIODE 1SS119
D833	8-719-100-21	s	DIODE RD3.9E-B2
D834	8-719-102-51	s	DIODE 1SZ51
D861	8-719-911-19	s	DIODE 1SS119
D862	8-719-911-19	s	DIODE 1SS119
D863	8-719-100-21	s	DIODE RD3.9E-B2
F1	⚠ 1-576-031-11	s	FUSE, MICRO 10A
F801	⚠ 1-576-031-11	s	FUSE, MICRO 10A
F802	⚠ 1-576-031-11	s	FUSE, MICRO 10A
FB101	1-535-178-00	s	FERRITE BEAD
FB102	1-535-178-00	s	FERRITE BEAD
FB103	1-535-178-00	s	FERRITE BEAD
FB104	1-535-178-00	s	FERRITE BEAD
FB105	1-535-178-00	s	FERRITE BEAD
FB106	1-535-178-00	s	FERRITE BEAD
FB107	1-535-178-00	s	FERRITE BEAD
FB108	1-535-178-00	s	FERRITE BEAD
FB109	1-535-178-00	s	FERRITE BEAD
FB110	1-535-178-00	s	FERRITE BEAD
FB111	1-535-178-00	s	FERRITE BEAD
FB201	1-535-178-00	s	FERRITE BEAD
FB202	1-535-178-00	s	FERRITE BEAD
FB203	1-535-178-00	s	FERRITE BEAD
FB204	1-535-178-00	s	FERRITE BEAD
FB205	1-535-178-00	s	FERRITE BEAD
FB206	1-535-178-00	s	FERRITE BEAD
FB207	1-535-178-00	s	FERRITE BEAD
FB208	1-535-178-00	s	FERRITE BEAD
FB209	1-535-178-00	s	FERRITE BEAD
FB210	1-535-178-00	s	FERRITE BEAD

(VA-45 BOARD, DVPC-1000)

#10001 TO 21299 (J)
#10001 TO 20999 (UC)
#10001 TO 11199 (EK)

Ref. No. or Qty	Part No.	SP	Description
FB211	1-535-178-00	s	FERRITE BEAD
FB301	1-535-178-00	s	FERRITE BEAD
FB302	1-535-178-00	s	FERRITE BEAD
FB303	1-535-178-00	s	FERRITE BEAD
FB304	1-535-178-00	s	FERRITE BEAD
FB305	1-535-178-00	s	FERRITE BEAD
FB306	1-535-178-00	s	FERRITE BEAD
FB307	1-535-178-00	s	FERRITE BEAD
FB308	1-535-178-00	s	FERRITE BEAD
FB309	1-535-178-00	s	FERRITE BEAD
FB310	1-535-178-00	s	FERRITE BEAD
FB311	1-535-178-00	s	FERRITE BEAD
FB312	1-535-178-00	s	FERRITE BEAD
FB313	1-535-178-00	s	FERRITE BEAD
FB401	1-535-178-00	s	FERRITE BEAD
FB402	1-535-178-00	s	FERRITE BEAD
FB403	1-535-178-00	s	FERRITE BEAD
FB404	1-535-178-00	s	FERRITE BEAD
FB405	1-535-178-00	s	FERRITE BEAD
FB406	1-535-178-00	s	FERRITE BEAD
FB409	1-535-178-00	s	FERRITE BEAD
FB410	1-535-178-00	s	FERRITE BEAD
FB501	1-535-178-00	s	FERRITE BEAD
FB502	1-535-178-00	s	FERRITE BEAD
FB503	1-535-178-00	s	FERRITE BEAD
FB504	1-535-178-00	s	FERRITE BEAD
FB505	1-535-178-00	s	FERRITE BEAD
FB506	1-535-178-00	s	FERRITE BEAD
FB509	1-535-178-00	s	FERRITE BEAD
FB510	1-535-178-00	s	FERRITE BEAD
FB601	1-535-178-00	s	FERRITE BEAD
FB602	1-535-178-00	s	FERRITE BEAD
FB603	1-535-178-00	s	FERRITE BEAD
FB604	1-535-178-00	s	FERRITE BEAD
FB605	1-535-178-00	s	FERRITE BEAD
FB606	1-535-178-00	s	FERRITE BEAD
FB607	1-535-178-00	s	FERRITE BEAD
FB608	1-535-178-00	s	FERRITE BEAD
FB609	1-535-178-00	s	FERRITE BEAD
FB610	1-535-178-00	s	FERRITE BEAD
FB701	1-535-178-00	s	FERRITE BEAD
FB702	1-535-178-00	s	FERRITE BEAD
FB703	1-535-178-00	s	FERRITE BEAD
FB704	1-535-178-00	s	FERRITE BEAD
IC101	8-749-936-61	s	IC BX366A
IC102	8-759-015-95	s	IC MC1595L
IC103	8-749-936-51	s	IC BX365A
IC104	8-749-936-51	s	IC BX365A
IC106	8-741-130-60	s	IC BX1306
IC107	8-749-936-61	s	IC BX366A
IC108	8-741-130-60	s	IC BX1306
IC109	8-749-936-51	s	IC BX365A
IC110	8-749-936-61	s	IC BX366A
IC111	8-741-124-40	s	IC BX1244
IC112	8-759-981-00	s	IC TL081CP
IC113	8-752-030-40	s	IC CXA1016P
IC201	8-749-936-61	s	IC BX366A
IC202	8-759-015-95	s	IC MC1595L
IC203	8-749-936-51	s	IC BX365A
IC204	8-749-936-51	s	IC BX365A
IC206	8-741-130-60	s	IC BX1306
IC207	8-749-936-61	s	IC BX366A
IC208	8-741-130-60	s	IC BX1306
IC209	8-749-936-51	s	IC BX365A
IC210	8-749-936-61	s	IC BX366A
IC211	8-741-124-40	s	IC BX1244
IC212	8-759-981-00	s	IC TL081CP
IC213	8-752-030-40	s	IC CXA1016P
IC301	8-749-936-61	s	IC BX366A
IC302	8-759-015-95	s	IC MC1595L

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not liste the parts list.

(VA-45 BOARD, DVPC-1000)

#10001 TO 21299 (J)
#10001 TO 20999 (UC)
#10001 TO 11199 (EK)

Ref. No. or Qty	Part No.	SP	Description
IC303	8-749-936-51	s	IC BX365A
IC304	8-749-936-51	s	IC BX365A
IC305	8-749-936-51	s	IC BX365A
IC306	8-741-130-60	s	IC BX1306
IC307	8-749-936-61	s	IC BX366A
IC308	8-741-130-60	s	IC BX1306
IC309	8-749-936-51	s	IC BX365A
IC310	8-749-936-61	s	IC BX366A
IC311	8-741-124-40	s	IC BX1244
IC312	8-759-981-00	s	IC TL081CP
IC313	8-752-030-40	s	IC CXA1016P
IC314	8-759-981-00	s	IC TL081CP
IC401	8-759-981-00	s	IC TL081CP
IC402	8-749-936-51	s	IC BX365A
IC403	8-741-124-40	s	IC BX1244
IC404	8-749-936-51	s	IC BX365A
IC405	8-749-936-61	s	IC BX366A
IC406	8-749-936-61	s	IC BX366A
IC409	8-752-020-20	s	IC CX20202
IC501	8-759-981-00	s	IC TL081CP
IC502	8-749-936-51	s	IC BX365A
IC503	8-741-124-40	s	IC BX1244
IC504	8-749-936-51	s	IC BX365A
IC505	8-749-936-61	s	IC BX366A
IC506	8-749-936-61	s	IC BX366A
IC509	8-752-020-20	s	IC CX20202
IC601	8-759-981-00	s	IC TL081CP
IC602	8-749-936-51	s	IC BX365A
IC603	8-741-124-40	s	IC BX1244
IC604	8-749-936-51	s	IC BX365A
IC605	8-749-936-61	s	IC BX366A
IC606	8-749-936-61	s	IC BX366A
IC607	8-741-130-60	s	IC BX1306
IC608	8-741-130-60	s	IC BX1306
IC609	8-752-020-20	s	IC CX20202
IC610	8-749-936-61	s	IC BX366A
IC701	8-759-981-00	s	IC TL081CP
IC801	8-759-135-80	s	IC uPC358C
IC802	8-759-990-84	s	IC TL084CN
IC901	8-759-918-33	s	IC CX20160
ICA2	8-759-300-25	s	IC HD10125
ICA3	8-759-300-25	s	IC HD10125
ICA10	8-759-004-80	s	IC MC74HCT374N
ICA11	8-759-777-71	s	IC MB7138HSK-VA45053
ICA12	8-759-901-74	s	IC SN74LS174N
ICA13	8-759-900-00	s	IC SN74LS00N
ICA14	8-759-301-24	s	IC HD10124
ICB2	8-759-300-25	s	IC HD10125
ICB3	8-759-300-25	s	IC HD10125
ICB4	8-759-900-86	s	IC SN74LS86N
ICB5	8-759-904-87	s	IC 74F374PC
ICB6	8-759-918-33	s	IC CX20160
ICB7	8-759-904-09	s	IC SN74LS688N
ICB8	8-759-904-87	s	IC 74F374PC
ICB9	8-759-774-80	s	IC MB7138HSK-VA45011
ICB10	8-759-004-80	s	IC MC74HCT374N
ICB12	8-759-900-04	s	IC SN74LS04N
ICB13	8-759-900-08	s	IC SN74LS08N
ICB14	8-759-301-24	s	IC HD10124
ICC1	8-759-301-24	s	IC HD10124
ICC2	8-759-300-25	s	IC HD10125
ICC3	8-759-300-25	s	IC HD10125
ICC4	8-759-301-24	s	IC HD10124
ICC5	8-759-904-87	s	IC 74F374PC
ICC6	8-759-918-33	s	IC CX20160
ICC7	8-759-904-09	s	IC SN74LS688N
ICC8	8-759-904-87	s	IC 74F374PC
ICC9	8-759-774-81	s	IC MB7138HSK-VA45021
ICC10	8-759-918-33	s	IC CX20160
ICC12	8-759-937-27	s	IC CXB1001G

(VA-45 BOARD, DVPC-1000)

#10001 TO 21299 (J)
#10001 TO 20999 (UC)
#10001 TO 11199 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICC14	8-759-301-24	s	IC HD10124
ICD1	8-759-301-24	s	IC HD10124
ICD3	8-759-902-40	s	IC SN74LS240N
ICD4	8-759-904-87	s	IC 74F374PC
ICD5	8-759-918-33	s	IC CX20160
ICD6	8-759-918-33	s	IC CX20160
ICD7	8-759-774-91	s	IC MB7124H-VA45041
ICD8	8-759-904-87	s	IC 74F374PC
ICD9	8-759-780-97	s	IC MB7138HSK-VA45032
ICD10	8-752-304-30	s	IC CX23043
ICD11	8-759-915-93	s	IC 74F163APC
ICD12	8-759-904-79	s	IC 74F00PC
ICD13	8-759-300-25	s	IC HD10125
ICD14	8-759-904-87	s	IC 74F374PC
ICE1	8-759-301-24	s	IC HD10124
ICE2	8-759-202-74	s	IC TC74HC04P
ICE3	8-759-903-74	s	IC SN74LS374N
ICE4	8-759-903-74	s	IC SN74LS374N
ICE5	8-759-774-04	s	IC MB7132HSK-VA45061
ICE6	8-759-918-33	s	IC CX20160
ICE7	8-759-783-57	s	IC MB7138HSK-VA45084
ICE8	8-759-903-74	s	IC SN74LS374N
ICE9	8-759-901-74	s	IC SN74LS174N
ICE10	8-759-202-25	s	IC TC74HC133P
ICE11	8-759-904-80	s	IC 74F04PC
ICE12	8-759-904-80	s	IC 74F04PC
ICE13	8-759-300-25	s	IC HD10125
ICF1	8-759-301-24	s	IC HD10124
ICF2	8-759-902-44	s	IC SN74LS244N
ICF12	8-759-904-87	s	IC 74F374PC
ICF13	8-759-300-25	s	IC HD10125
ICF14	8-759-904-87	s	IC 74F374PC
ICG1	8-759-301-24	s	IC HD10124
ICG2	8-759-900-08	s	IC SN74LS08N
ICG3	8-759-903-74	s	IC SN74LS374N
ICG4	8-759-903-74	s	IC SN74LS374N
ICG5	8-759-774-04	s	IC MB7132HSK-VA45061
ICG6	8-759-918-33	s	IC CX20160
ICG8	8-759-937-27	s	IC CXB1001G
ICG10	8-759-901-38	s	IC SN74LS138N
ICG11	8-759-901-38	s	IC SN74LS138N
ICG12	8-759-902-40	s	IC SN74LS240N
ICG13	8-759-904-84	s	IC 74F74PC
ICG14	8-759-904-80	s	IC 74F04PC
ICH1	8-759-301-24	s	IC HD10124
ICH2	8-759-301-24	s	IC HD10124
ICH3	8-759-903-74	s	IC SN74LS374N
ICH4	8-759-918-33	s	IC CX20160
ICH5	8-759-783-58	s	IC MB7138HSK-VA45091
ICH6	8-759-918-33	s	IC CX20160
ICH7	8-759-902-44	s	IC SN74LS244N
ICH8	8-759-900-10	s	IC SN74LS10N
ICH9	8-759-900-32	s	IC SN74LS32N
ICH10	8-759-900-04	s	IC SN74LS04N
ICH11	8-759-901-63	s	IC SN74LS163AN
ICH13	8-759-900-74	s	IC SN74LS74AN
ICH14	8-759-913-21	s	IC 74F158PC
JS6	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS8	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS10	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS11	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS14	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS21	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS23	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS28	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS30	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS33	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS38	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS40	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
L1	1-421-370-00	s	COIL, CHOKE

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(VA-45 BOARD, DVPC-1000)

#10001 TO 21299 (J)
#10001 TO 20999 (UC)
#10001 TO 11199 (EK)

Ref. No. or Qty	Part No.	SP	Description
L2	1-421-370-00	s	COIL, CHOKE
L101	1-421-329-00	s	COIL, CHOKE
L131	1-421-329-00	s	COIL, CHOKE
L161	1-421-329-00	s	COIL, CHOKE
L701	1-410-521-11	s	INDUCTOR, 100uH 5%
L702	1-410-521-11	s	INDUCTOR, 100uH 5%
LPF101	1-235-969-11	s	FILTER, LOW-PASS 2.75MHz
LPF201	1-235-969-11	s	FILTER, LOW-PASS 2.75MHz
LPF301	1-235-970-12	s	FILTER, LOW-PASS 5.75MHz
LPF401	1-235-967-11	s	FILTER, LOW-PASS 2.75MHz
LPF501	1-235-967-11	s	FILTER, LOW-PASS 2.75MHz
LPF601	1-235-968-12	s	FILTER, LOW-PASS 5.75MHz
Q101	8-729-203-28	s	TRANSISTOR 2SC2216
Q102	8-729-112-06	s	TRANSISTOR 2SA1206
Q103	8-729-112-06	s	TRANSISTOR 2SA1206
Q106	8-729-600-60	s	TRANSISTOR 2SA1115P
Q201	8-729-203-28	s	TRANSISTOR 2SC2216
Q202	8-729-112-06	s	TRANSISTOR 2SA1206
Q203	8-729-112-06	s	TRANSISTOR 2SA1206
Q206	8-729-600-60	s	TRANSISTOR 2SA1115P
Q301	8-729-203-28	s	TRANSISTOR 2SC2216
Q302	8-729-112-06	s	TRANSISTOR 2SA1206
Q303	8-729-112-06	s	TRANSISTOR 2SA1206
Q304	8-729-600-60	s	TRANSISTOR 2SA1115P
Q305	8-729-600-60	s	TRANSISTOR 2SA1115P
Q306	8-729-600-60	s	TRANSISTOR 2SA1115P
Q401	8-729-112-06	s	TRANSISTOR 2SA1206
Q501	8-729-112-06	s	TRANSISTOR 2SA1206
Q601	8-729-112-06	s	TRANSISTOR 2SA1206
Q701	8-729-600-60	s	TRANSISTOR 2SA1115P
Q702	8-729-600-60	s	TRANSISTOR 2SA1115P
Q703	8-729-203-28	s	TRANSISTOR 2SC2216
Q704	8-729-600-60	s	TRANSISTOR 2SA1115P
Q705	8-729-203-28	s	TRANSISTOR 2SC2216
Q706	8-729-600-60	s	TRANSISTOR 2SA1115P
Q707	8-729-600-60	s	TRANSISTOR 2SA1115P
Q801	8-729-900-07	s	TRANSISTOR 2SB757
Q802	8-729-169-02	s	TRANSISTOR 2SC2690A
Q804	8-729-105-72	s	TRANSISTOR 2SK523-L1
Q831	8-729-984-70	s	TRANSISTOR 2SD847
Q832	8-729-122-02	s	TRANSISTOR 2SA1220A
Q834	8-729-105-72	s	TRANSISTOR 2SK523-L1
Q861	8-729-984-70	s	TRANSISTOR 2SD847
Q862	8-729-122-02	s	TRANSISTOR 2SA1220A
R112	1-215-401-11	s	RES, METAL 150 1% 1/6W
R124	1-216-765-11	s	RES, METAL 1704 0.1% 1/8W
R125	1-216-768-11	s	RES, RETAL 8772 0.1% 1/8W
R133	1-215-401-11	s	RES, METAL 150 1% 1/6W
R134	1-215-401-11	s	RES, METAL 150 1% 1/6W
R212	1-215-401-11	s	RES, METAL 150 1% 1/6W
R224	1-216-765-11	s	RES, METAL 1704 0.1% 1/8W
R225	1-216-767-11	s	RES, METAL 3344 0.1% 1/8W
R233	1-215-401-11	s	RES, METAL 150 1% 1/6W
R234	1-215-401-11	s	RES, METAL 150 1% 1/6W
R312	1-215-401-11	s	RES, METAL 150 1% 1/6W
R323	1-216-765-11	s	RES, METAL 1704 0.1% 1/8W
R324	1-216-767-11	s	RES, METAL 3344 0.1% 1/8W
R325	1-216-768-11	s	RES, RETAL 8772 0.1% 1/8W
R333	1-215-401-11	s	RES, METAL 150 1% 1/6W
R334	1-215-401-11	s	RES, METAL 150 1% 1/6W
R412	1-215-401-11	s	RES, METAL 150 1% 1/6W
R414	1-215-401-11	s	RES, METAL 150 1% 1/6W
R422	1-215-957-11	s	RES, METAL 1.000K 0.1% 1/8W
R423	1-216-763-11	s	RES, METAL 713.4 0.1% 1/8W
R512	1-215-401-11	s	RES, METAL 150 1% 1/6W
R514	1-215-401-11	s	RES, METAL 150 1% 1/6W
R522	1-215-957-11	s	RES, METAL 1.000K 0.1% 1/8W
R523	1-216-762-11	s	RES, METAL 564.3 0.1% 1/8W
R612	1-215-401-11	s	RES, METAL 150 1% 1/6W
R614	1-215-401-11	s	RES, METAL 150 1% 1/6W

(VA-45 BOARD, DVPC-1000)

#10001 TO 21299 (J)
#10001 TO 20999 (UC)
#10001 TO 11199 (EK)

Ref. No. or Qty	Part No.	SP	Description
R623	1-216-764-11	s	RES, METAL 1400 0.1% 1/8W
R624	1-216-766-11	s	RES, METAL 2910 0.1% 1/8W
R818	1-205-901-11	s	RES, CEMENT 2.7 10% 5W
R819	1-207-612-00	s	RES, WIREWOUND 0.1 10% 3W
R848	1-205-901-11	s	RES, CEMENT 2.7 10% 5W
R849	1-207-612-00	s	RES, WIREWOUND 0.1 10% 3W
R878	1-205-908-11	s	RES, CEMENT 27 10% 5W
R879	1-207-612-00	s	RES, WIREWOUND 0.1 10% 3W
RB1	1-231-450-00	s	RESISTOR BLOCK, 3.3KX8
RB2	1-231-450-00	s	RESISTOR BLOCK, 3.3KX8
RB3	1-231-401-00	s	RESISTOR BLOCK, 470X8
RB4	1-231-401-00	s	RESISTOR BLOCK, 470X8
RB5	1-231-501-00	s	RESISTOR BLOCK, 470X4
RB101	1-231-449-00	s	RESISTOR BLOCK, 620X4
RB201	1-231-449-00	s	RESISTOR BLOCK, 620X4
RB301	1-231-449-00	s	RESISTOR BLOCK, 620X4
RB401	1-231-449-00	s	RESISTOR BLOCK, 620X4
RB501	1-231-449-00	s	RESISTOR BLOCK, 620X4
RB601	1-231-449-00	s	RESISTOR BLOCK, 620X4
RV101	1-224-934-00	s	RES, VAR, METAL 100
RV102	1-224-937-00	s	RES, VAR, METAL 1K
RV104	1-224-934-00	s	RES, VAR, METAL 100
RV105	1-224-934-00	s	RES, VAR, METAL 100
RV106	1-224-941-00	s	RES, VAR, METAL 20K
RV107	1-224-941-00	s	RES, VAR, METAL 20K
RV108	1-224-934-00	s	RES, VAR, METAL 100
RV109	1-224-937-00	s	RES, VAR, METAL 1K
RV201	1-224-934-00	s	RES, VAR, METAL 100
RV202	1-224-937-00	s	RES, VAR, METAL 1K
RV204	1-224-934-00	s	RES, VAR, METAL 100
RV205	1-224-934-00	s	RES, VAR, METAL 100
RV206	1-224-941-00	s	RES, VAR, METAL 20K
RV207	1-224-941-00	s	RES, VAR, METAL 20K
RV208	1-224-934-00	s	RES, VAR, METAL 100
RV209	1-224-937-00	s	RES, VAR, METAL 1K
RV301	1-224-934-00	s	RES, VAR, METAL 100
RV302	1-224-937-00	s	RES, VAR, METAL 1K
RV303	1-224-942-00	s	RES, VAR, METAL 50K
RV305	1-224-936-00	s	RES, VAR, METAL 500
RV306	1-224-941-00	s	RES, VAR, METAL 20K
RV307	1-224-939-00	s	RES, VAR, METAL 5K
RV308	1-224-934-00	s	RES, VAR, METAL 100
RV309	1-224-937-00	s	RES, VAR, METAL 1K
RV310	1-230-741-21	s	RES, VAR, CARBON 10K
RV401	1-224-937-00	s	RES, VAR, METAL 1K
RV403	1-224-941-00	s	RES, VAR, METAL 20K
RV404	1-224-937-00	s	RES, VAR, METAL 1K
RV501	1-224-937-00	s	RES, VAR, METAL 1K
RV503	1-224-941-00	s	RES, VAR, METAL 20K
RV504	1-224-936-00	s	RES, VAR, METAL 500
RV601	1-224-937-00	s	RES, VAR, METAL 1K
RV603	1-224-941-00	s	RES, VAR, METAL 20K
RV604	1-224-935-00	s	RES, VAR, METAL 200
RV605	1-224-934-00	s	RES, VAR, METAL 100
RV606	1-224-935-00	s	RES, VAR, METAL 200
RV701	1-230-741-21	s	RES, VAR, CARBON 10K
RV702	1-224-935-00	s	RES, VAR, METAL 200
RV703	1-224-937-00	s	RES, VAR, METAL 1K
RV704	1-224-935-00	s	RES, VAR, METAL 200
RV705	1-224-935-00	s	RES, VAR, METAL 200
RV801	1-224-937-00	s	RES, VAR, METAL 1K
RV802	1-224-939-00	s	RES, VAR, METAL 5K
RV831	1-224-937-00	s	RES, VAR, METAL 1K
RV832	1-224-939-00	s	RES, VAR, METAL 5K
RV861	1-224-935-00	s	RES, VAR, METAL 200
RV862	1-224-939-00	s	RES, VAR, METAL 5K
S1	1-570-623-11	s	SWITCH, DIP 4CKT
S2	1-570-623-11	s	SWITCH, DIP 4CKT
S3	1-570-623-11	s	SWITCH, DIP 4CKT
S101	1-554-397-21	s	SWITCH, TOGGLE
S701	1-554-397-21	s	SWITCH, TOGGLE

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

VA-45 BOARD, DVPC-1000

#21301 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6019-002-B	o	COMPLETE PCB, VA-45

(This assembly includes the following parts.)

Ref. No. or Qty	Part No.	SP	Description
1pc	3-715-721-11	o	LABEL (2), SERIAL NUMBER
2pcs	3-673-249-00	o	LEVER, PC BOARD
2pcs	7-621-775-10	s	SCREW, +B 2.6X4
2pcs	7-626-320-11	o	PIN, SPRING 3X8
3pcs	4-875-726-00	s	SHEET, INSULATING
5pcs	7-628-254-20	s	SCREW, +PSW, 2.6X8
6pcs	7-628-253-40	s	SCREW, +PS 2X10
31pcs	7-628-254-10	s	SCREW, +PSW, 2.6X6
C135	1-130-495-00	s	CAP, MYLAR 0.1uF 5% 50V
C161	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C162	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C210	1-161-890-11	s	CAP, CERAMIC 0.022uF 50V
C211	1-161-890-11	s	CAP, CERAMIC 0.022uF 50V
C214	1-161-890-11	s	CAP, CERAMIC 0.022uF 50V
C216	1-161-890-11	s	CAP, CERAMIC 0.022uF 50V
C217	1-161-890-11	s	CAP, CERAMIC 0.022uF 50V
C222	1-161-890-11	s	CAP, CERAMIC 0.022uF 50V
C223	1-161-890-11	s	CAP, CERAMIC 0.022uF 50V
C224	1-161-890-11	s	CAP, CERAMIC 0.022uF 50V
C225	1-161-890-11	s	CAP, CERAMIC 0.022uF 50V
C228	1-161-890-11	s	CAP, CERAMIC 0.022uF 50V
C235	1-130-495-00	s	CAP, MYLAR 0.1uF 5% 50V
C261	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C262	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C361	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C362	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C335	1-130-495-00	s	CAP, MYLAR 0.1uF 5% 50V
C402	1-131-341-00	s	CAP, TANT 0.1uF 10% 35V
C403	1-131-341-00	s	CAP, TANT 0.1uF 10% 35V
C408	1-161-485-00	s	CAP, CERAMIC 0.1uF 50V
C416	1-130-495-00	s	CAP, MYLAR 0.1uF 5% 50V
C419	1-126-233-11	s	CAP, ELECT 22uF 20% 25V
C423	1-126-233-11	s	CAP, ELECT 22uF 20% 25V
C425	1-126-233-11	s	CAP, ELECT 22uF 20% 25V
C429	1-126-233-11	s	CAP, ELECT 22uF 20% 25V
C502	1-131-341-00	s	CAP, TANT 0.1uF 10% 35V
C503	1-131-341-00	s	CAP, TANT 0.1uF 10% 35V
C508	1-161-485-00	s	CAP, CERAMIC 0.1uF 50V
C516	1-130-495-00	s	CAP, MYLAR 0.1uF 5% 50V
C519	1-126-233-11	s	CAP, ELECT 22uF 20% 25V
C523	1-126-233-11	s	CAP, ELECT 22uF 20% 25V
C525	1-126-233-11	s	CAP, ELECT 22uF 20% 25V
C529	1-126-233-11	s	CAP, ELECT 22uF 20% 25V
C602	1-131-341-00	s	CAP, TANT 0.1uF 10% 35V
C603	1-131-341-00	s	CAP, TANT 0.1uF 10% 35V
C608	1-161-485-00	s	CAP, CERAMIC 0.1uF 50V
C616	1-130-495-00	s	CAP, MYLAR 0.1uF 5% 50V
C619	1-126-233-11	s	CAP, ELECT 22uF 20% 25V
C623	1-126-233-11	s	CAP, ELECT 22uF 20% 25V
C625	1-126-233-11	s	CAP, ELECT 22uF 20% 25V
C629	1-126-233-11	s	CAP, ELECT 22uF 20% 25V
C631	1-126-233-11	s	CAP, ELECT 22uF 20% 25V
C635	1-126-233-11	s	CAP, ELECT 22uF 20% 25V
C638	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C639	1-102-110-00	s	CAP, CERAMIC 220PF 10% 50V
C704	1-126-233-11	s	CAP, ELECT 22uF 20% 25V
C801	1-161-485-00	s	CAP, CERAMIC 0.1uF 50V
C802	1-109-807-00	s	CAP, MICA 100PF 1% 100V
C803	1-109-532-00	s	CAP, MICA 75PF 5% 100V
C804	1-130-483-00	s	CAP, MYLAR 0.01uF 5% 50V
C831	1-161-485-00	s	CAP, CERAMIC 0.1uF 50V
C832	1-109-807-00	s	CAP, MICA 100PF 1% 100V
C833	1-109-532-00	s	CAP, MICA 75PF 5% 100V
C834	1-130-483-00	s	CAP, MYLAR 0.01uF 5% 50V
C862	1-109-807-00	s	CAP, MICA 100PF 1% 100V

(VA-45 BOARD, DVPC-1000)

#21301 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
C864	1-130-483-00	s	CAP, MYLAR0.01uF 5% 50V
CN1	1-566-388-11	s	PIN, CONNECTOR 2P
CN2	1-566-388-11	s	PIN, CONNECTOR 2P
CN3	1-566-388-11	s	PIN, CONNECTOR 2P
CN4	1-566-388-11	s	PIN, CONNECTOR 2P
CN5	1-566-388-11	s	PIN, CONNECTOR 2P
CN101M	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103M	1-506-746-11	s	RECEP, DIN 48P, MALE
CP1	1-231-455-00	s	CR BLOCK, R=51, C=0.01
CP2	1-231-455-00	s	CR BLOCK, R=51, C=0.01
CP3	1-231-455-00	s	CR BLOCK, R=51, C=0.01
CP4	1-231-455-00	s	CR BLOCK, R=51, C=0.01
CP5	1-231-455-00	s	CR BLOCK, R=51, C=0.01
CP6	1-231-455-00	s	CR BLOCK, R=51, C=0.01
D102	8-719-815-55	s	DIODE 1S1555
D104	8-719-102-51	s	DIODE 1SZ51
D202	8-719-815-55	s	DIODE 1S1555
D204	8-719-102-51	s	DIODE 1SZ51
D301	8-719-100-13	s	DIODE RD2.7E-B2
D302	8-719-400-35	s	DIODE LN35BP
D303	8-719-100-13	s	DIODE RD2.7E-B2
D304	8-719-102-51	s	DIODE 1SZ51
D401	8-719-102-51	s	DIODE 1SZ51
D501	8-719-102-51	s	DIODE 1SZ51
D601	8-719-102-51	s	DIODE 1SZ51
D707	8-719-815-55	s	DIODE 1S1555
D801	8-719-911-19	s	DIODE 1SS119
D802	8-719-911-19	s	DIODE 1SS119
D803	8-719-100-21	s	DIODE RD3.9E-B2
D804	8-719-102-51	s	DIODE 1SZ51
D831	8-719-911-19	s	DIODE 1SS119
D832	8-719-911-19	s	DIODE 1SS119
D833	8-719-100-21	s	DIODE RD3.9E-B2
D834	8-719-102-51	s	DIODE 1SZ51
D861	8-719-911-19	s	DIODE 1SS119
D862	8-719-911-19	s	DIODE 1SS119
D863	8-719-100-21	s	DIODE RD3.9E-B2
DL1	1-415-631-11	s	DELAY LINE
DL2	1-415-631-11	s	DELAY LINE
DL4	1-415-631-11	s	DELAY LINE
DL5	1-415-631-11	s	DELAY LINE
F1	⚠ 1-576-031-11	s	FUSE, MICRO 10A
F801	⚠ 1-576-031-11	s	FUSE, MICRO 10A
F802	⚠ 1-576-031-11	s	FUSE, MICRO 10A
FB101	1-535-178-00	s	FERRITE BEAD
FB102	1-535-178-00	s	FERRITE BEAD
FB103	1-535-178-00	s	FERRITE BEAD
FB104	1-535-178-00	s	FERRITE BEAD
FB105	1-535-178-00	s	FERRITE BEAD
FB106	1-535-178-00	s	FERRITE BEAD
FB107	1-535-178-00	s	FERRITE BEAD
FB108	1-535-178-00	s	FERRITE BEAD
FB109	1-535-178-00	s	FERRITE BEAD
FB110	1-535-178-00	s	FERRITE BEAD
FB111	1-535-178-00	s	FERRITE BEAD
FB201	1-535-178-00	s	FERRITE BEAD
FB202	1-535-178-00	s	FERRITE BEAD
FB203	1-535-178-00	s	FERRITE BEAD
FB204	1-535-178-00	s	FERRITE BEAD
FB205	1-535-178-00	s	FERRITE BEAD
FB206	1-535-178-00	s	FERRITE BEAD
FB207	1-535-178-00	s	FERRITE BEAD
FB208	1-535-178-00	s	FERRITE BEAD
FB209	1-535-178-00	s	FERRITE BEAD
FB210	1-535-178-00	s	FERRITE BEAD
FB211	1-535-178-00	s	FERRITE BEAD
FB301	1-535-178-00	s	FERRITE BEAD
FB302	1-535-178-00	s	FERRITE BEAD
FB303	1-535-178-00	s	FERRITE BEAD

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(VA-45 BOARD, DVPC-1000)

#21301 &UP (J)
#21001 &UP (UC)
#11201 &UP (EK)

Ref. No. or Qty	Part No.	SP	Description
FB304	1-535-178-00	s	FERRITE BEAD
FB305	1-535-178-00	s	FERRITE BEAD
FB306	1-535-178-00	s	FERRITE BEAD
FB307	1-535-178-00	s	FERRITE BEAD
FB308	1-535-178-00	s	FERRITE BEAD
FB309	1-535-178-00	s	FERRITE BEAD
FB310	1-535-178-00	s	FERRITE BEAD
FB311	1-535-178-00	s	FERRITE BEAD
FB312	1-535-178-00	s	FERRITE BEAD
FB313	1-535-178-00	s	FERRITE BEAD
FB401	1-535-178-00	s	FERRITE BEAD
FB402	1-535-178-00	s	FERRITE BEAD
FB403	1-535-178-00	s	FERRITE BEAD
FB404	1-535-178-00	s	FERRITE BEAD
FB405	1-535-178-00	s	FERRITE BEAD
FB406	1-535-178-00	s	FERRITE BEAD
FB409	1-535-178-00	s	FERRITE BEAD
FB410	1-535-178-00	s	FERRITE BEAD
FB501	1-535-178-00	s	FERRITE BEAD
FB502	1-535-178-00	s	FERRITE BEAD
FB503	1-535-178-00	s	FERRITE BEAD
FB504	1-535-178-00	s	FERRITE BEAD
FB505	1-535-178-00	s	FERRITE BEAD
FB506	1-535-178-00	s	FERRITE BEAD
FB509	1-535-178-00	s	FERRITE BEAD
FB510	1-535-178-00	s	FERRITE BEAD
FB601	1-535-178-00	s	FERRITE BEAD
FB602	1-535-178-00	s	FERRITE BEAD
FB603	1-535-178-00	s	FERRITE BEAD
FB604	1-535-178-00	s	FERRITE BEAD
FB605	1-535-178-00	s	FERRITE BEAD
FB606	1-535-178-00	s	FERRITE BEAD
FB607	1-535-178-00	s	FERRITE BEAD
FB608	1-535-178-00	s	FERRITE BEAD
FB609	1-535-178-00	s	FERRITE BEAD
FB610	1-535-178-00	s	FERRITE BEAD
FB701	1-535-178-00	s	FERRITE BEAD
FB702	1-535-178-00	s	FERRITE BEAD
FB703	1-535-178-00	s	FERRITE BEAD
FB704	1-535-178-00	s	FERRITE BEAD
IC101	8-749-936-61	s	IC BX366A
IC102	8-759-015-95	s	IC MC1595L
IC103	8-749-936-51	s	IC BX365A
IC104	8-749-936-51	s	IC BX365A
IC106	8-741-130-60	s	IC BX1306
IC107	8-749-936-61	s	IC BX366A
IC108	8-741-130-60	s	IC BX1306
IC109	8-749-936-51	s	IC BX365A
IC110	8-749-936-61	s	IC BX366A
IC111	8-741-124-40	s	IC BX1244
IC112	8-759-981-00	s	IC TL081CP
IC113	8-752-030-40	s	IC CXA1016P
IC201	8-749-936-61	s	IC BX366A
IC202	8-759-015-95	s	IC MC1595L
IC203	8-749-936-51	s	IC BX365A
IC204	8-749-936-51	s	IC BX365A
IC206	8-741-130-60	s	IC BX1306
IC207	8-749-936-61	s	IC BX366A
IC208	8-741-130-60	s	IC BX1306
IC209	8-749-936-51	s	IC BX365A
IC210	8-749-936-61	s	IC BX366A
IC211	8-741-124-40	s	IC BX1244
IC212	8-759-981-00	s	IC TL081CP
IC213	8-752-030-40	s	IC CXA1016P
IC301	8-749-936-61	s	IC BX366A
IC302	8-759-015-95	s	IC MC1595L
IC303	8-749-936-51	s	IC BX365A
IC304	8-749-936-51	s	IC BX365A
IC305	8-749-936-51	s	IC BX365A
IC306	8-741-130-60	s	IC BX1306

(VA-45 BOARD, DVPC-1000)

#21301 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
IC307	8-749-936-61	s	IC BX366A
IC308	8-741-130-60	s	IC BX1306
IC309	8-749-936-51	s	IC BX365A
IC310	8-749-936-61	s	IC BX366A
IC311	8-741-124-40	s	IC BX1244
IC312	8-759-981-00	s	IC TL081CP
IC313	8-752-030-40	s	IC CXA1016P
IC314	8-759-981-00	s	IC TL081CP
IC401	8-759-981-00	s	IC TL081CP
IC402	8-749-936-51	s	IC BX365A
IC403	8-741-124-40	s	IC BX1244
IC404	8-749-936-51	s	IC BX365A
IC405	8-749-936-61	s	IC BX366A
IC406	8-749-936-61	s	IC BX366A
IC409	8-752-020-20	s	IC CX20202
IC501	8-759-981-00	s	IC TL081CP
IC502	8-749-936-51	s	IC BX365A
IC503	8-741-124-40	s	IC BX1244
IC504	8-749-936-51	s	IC BX365A
IC505	8-749-936-61	s	IC BX366A
IC506	8-749-936-61	s	IC BX366A
IC509	8-752-020-20	s	IC CX20202
IC601	8-759-981-00	s	IC TL081CP
IC602	8-749-936-51	s	IC BX365A
IC603	8-741-124-40	s	IC BX1244
IC604	8-749-936-51	s	IC BX365A
IC605	8-749-936-61	s	IC BX366A
IC606	8-749-936-61	s	IC BX366A
IC607	8-741-130-60	s	IC BX1306
IC608	8-741-130-60	s	IC BX1306
IC609	8-752-020-20	s	IC CX20202
IC610	8-749-936-61	s	IC BX366A
IC701	8-759-981-00	s	IC TL081CP
IC801	8-759-135-80	s	IC uPC358C
IC802	8-759-990-84	s	IC TL084CN
IC901	8-759-918-33	s	IC CX20160
ICA3	8-759-948-53	s	IC MB766P
ICA4	8-759-774-91	s	IC MB7124H-VA45041
ICA12	8-759-900-00	s	IC SN74LS00N
ICA13	8-759-301-24	s	IC HD10124
ICA14	8-759-301-24	s	IC HD10124
ICB2	8-759-001-16	s	IC MC10116L
ICB3	8-759-948-53	s	IC MB766P
ICB4	8-759-774-91	s	IC MB7124H-VA45041
ICB5	8-759-787-75	s	IC MB7138HSK-VA45211
ICB6	8-759-787-72	s	IC MB7138HSK-VA45111
ICB7	8-759-004-80	s	IC MC74HCT374N
ICB8	8-759-787-78	s	IC MB7138HSK-VA45151
ICB9	8-759-903-77	s	IC SN74LS377N
ICB10	8-759-904-84	s	IC 74F74PC
ICB11	8-759-900-08	s	IC SN74LS08N
ICB12	8-759-904-79	s	IC 74F00PC
ICB13	8-759-904-80	s	IC 74F04PC
ICB14	8-759-301-24	s	IC HD10124
ICC4	8-759-774-91	s	IC MB7124H-VA45041
ICC5	8-759-787-76	s	IC MB7138HSK-VA45221
ICC6	8-759-787-73	s	IC MB7138HSK-VA45121
ICC7	8-759-004-80	s	IC MC74HCT374N
ICC9	8-759-937-27	s	IC CXB1001G
ICC11	8-759-900-04	s	IC SN74LS04N
ICC12	8-759-915-93	s	IC 74F163APC
ICC13	8-759-904-87	s	IC 74F374PC
ICC14	8-759-001-25	s	IC MC10125L
ICD1	8-759-301-24	s	IC HD10124
ICD2	8-759-948-53	s	IC MB766P
ICD3	8-759-918-33	s	IC CX20160
ICD4	8-759-918-33	s	IC CX20160
ICD5	8-759-766-72	s	IC MB7138HSK-VA45231
ICD6	8-759-780-98	s	IC MB7138HSK-VA45132
ICD7	8-759-004-80	s	IC MC74HCT374N

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(VA-45 BOARD, DVPC-1000)

#21301 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICD8	8-752-304-30	s	IC CX23043
ICD11	8-759-904-80	s	IC 74F04PC
ICD13	8-759-001-25	s	IC MC10125L
ICD14	8-759-001-25	s	IC MC10125L
ICE11	8-759-904-80	s	IC 74F04PC
ICE12	8-759-904-79	s	IC 74F00PC
ICE13	8-759-904-80	s	IC 74F04PC
ICE14	8-759-001-25	s	IC MC10125L
ICF1	8-759-001-16	s	IC MC10116L
ICF2	8-759-301-24	s	IC HD10124
ICF3	8-759-971-99	s	IC MB767P
ICF4	8-759-918-33	s	IC CX20160
ICF5	8-759-903-74	s	IC SN74LS374N
ICF6	8-759-787-81	s	IC MB7138HSK-VA45161
ICF8	8-759-937-27	s	IC CXB1001G
ICF10	8-759-904-80	s	IC 74F04PC
ICF11	8-759-917-49	s	IC 74F112PC
ICG1	8-759-900-00	s	IC SN74LS00N
ICG2	8-759-900-32	s	IC SN74LS32N
ICG3	8-759-971-99	s	IC MB767P
ICG4	8-759-918-33	s	IC CX20160
ICG5	8-759-903-74	s	IC SN74LS374N
ICG6	8-759-787-81	s	IC MB7138HSK-VA45161
ICG7	8-759-900-08	s	IC SN74LS08N
ICG8	8-759-900-04	s	IC SN74LS04N
ICG9	8-759-900-74	s	IC SN74LS74AN
ICG10	8-759-744-15	s	IC MB7138HSK-VA45192
ICG11	8-759-787-79	s	IC MB7138HSK-VA45181
ICG12	8-759-938-94	s	IC 74F158APC
ICG13	8-759-904-87	s	IC 74F374PC
ICG14	8-759-904-87	s	IC 74F374PC
ICH1	8-759-202-74	s	IC TC74HC04P
ICH2	8-759-971-99	s	IC MB767P
ICH3	8-759-918-33	s	IC CX20160
ICH4	8-759-918-33	s	IC CX20160
ICH5	8-759-918-33	s	IC CX20160
ICH6	8-759-787-82	s	IC MB7138HSK-VA45171
ICH7	8-759-903-77	s	IC SN74LS377N
ICH8	8-759-901-74	s	IC SN74LS174N
ICH9	8-759-902-53	s	IC SN74LS253N
ICH10	8-759-903-77	s	IC SN74LS377N
ICH11	8-759-903-77	s	IC SN74LS377N
ICH12	8-759-202-98	s	IC TC74HC166P
ICH13	8-759-202-98	s	IC TC74HC166P
ICH14	8-759-904-80	s	IC 74F04PC
JS1	1-563-859-11	s	RECEP, CONNECTOR 2P
JS3	1-563-859-11	s	RECEP, CONNECTOR 2P
L1	1-421-370-00	s	COIL, CHOKE
L2	1-421-370-00	s	COIL, CHOKE
L101	1-421-329-00	s	COIL, CHOKE
L131	1-421-329-00	s	COIL, CHOKE
L161	1-421-329-00	s	COIL, CHOKE
L701	1-410-521-11	s	INDUCTOR, 100uH 5%
L702	1-410-521-11	s	INDUCTOR, 100uH 5%
LPF101	1-235-969-11	s	FILTER, LOW-PASS 2.75MHz
LPF201	1-235-969-11	s	FILTER, LOW-PASS 2.75MHz
LPF301	1-235-970-12	s	FILTER, LOW-PASS 5.75MHz
LPF401	1-235-967-11	s	FILTER, LOW-PASS 2.75MHz
LPF501	1-235-967-11	s	FILTER, LOW-PASS 2.75MHz
LPF601	1-235-968-12	s	FILTER, LOW-PASS 5.75MHz
Q101	8-729-203-28	s	TRANSISTOR 2SC2216
Q102	8-729-112-06	s	TRANSISTOR 2SA1206
Q103	8-729-112-06	s	TRANSISTOR 2SA1206
Q106	8-729-600-60	s	TRANSISTOR 2SA1115P
Q201	8-729-203-28	s	TRANSISTOR 2SC2216
Q202	8-729-112-06	s	TRANSISTOR 2SA1206
Q203	8-729-112-06	s	TRANSISTOR 2SA1206
Q206	8-729-600-60	s	TRANSISTOR 2SA1115P
Q301	8-729-203-28	s	TRANSISTOR 2SC2216
Q302	8-729-112-06	s	TRANSISTOR 2SA1206

(VA-45 BOARD, DVPC-1000)

#21301 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
Q303	8-729-112-06	s	TRANSISTOR 2SA1206
Q304	8-729-600-60	s	TRANSISTOR 2SA1115P
Q305	8-729-600-60	s	TRANSISTOR 2SA1115P
Q306	8-729-600-60	s	TRANSISTOR 2SA1115P
Q401	8-729-112-06	s	TRANSISTOR 2SA1206
Q501	8-729-112-06	s	TRANSISTOR 2SA1206
Q601	8-729-112-06	s	TRANSISTOR 2SA1206
Q701	8-729-600-60	s	TRANSISTOR 2SA1115P
Q702	8-729-600-60	s	TRANSISTOR 2SA1115P
Q703	8-729-203-28	s	TRANSISTOR 2SC2216
Q704	8-729-600-60	s	TRANSISTOR 2SA1115P
Q705	8-729-203-28	s	TRANSISTOR 2SC2216
Q706	8-729-600-60	s	TRANSISTOR 2SA1115P
Q707	8-729-600-60	s	TRANSISTOR 2SA1115P
Q708	8-729-203-28	s	TRANSISTOR 2SC2216
Q709	8-729-203-28	s	TRANSISTOR 2SC2216
Q710	8-729-203-28	s	TRANSISTOR 2SC2216
Q801	8-729-900-07	s	TRANSISTOR 2SB757
Q802	8-729-169-02	s	TRANSISTOR 2SC2690A
Q804	8-729-105-72	s	TRANSISTOR 2SK523-L1
Q831	8-729-984-70	s	TRANSISTOR 2SD847
Q832	8-729-122-02	s	TRANSISTOR 2SA1220A
Q834	8-729-105-72	s	TRANSISTOR 2SK523-L1
Q861	8-729-984-70	s	TRANSISTOR 2SD847
Q862	8-729-122-02	s	TRANSISTOR 2SA1220A
R124	1-216-765-11	s	RES, METAL 1704 0.1% 1/8W
R125	1-216-768-11	s	RES, METAL 8772 0.1% 1/8W
R224	1-216-765-11	s	RES, METAL 1704 0.1% 1/8W
R225	1-216-767-11	s	RES, METAL 3344 0.1% 1/8W
R323	1-216-765-11	s	RES, METAL 1704 0.1% 1/8W
R324	1-216-767-11	s	RES, METAL 3344 0.1% 1/8W
R325	1-216-768-11	s	RES, METAL 8772 0.1% 1/8W
R422	1-215-957-11	s	RES, METAL 1.000K 0.1% 1/8W
R423	1-216-763-11	s	RES, METAL 713.4 0.1% 1/8W
R522	1-215-957-11	s	RES, METAL 1.000K 0.1% 1/8W
R523	1-216-762-11	s	RES, METAL 564.3 0.1% 1/8W
R623	1-216-764-11	s	RES, METAL 1400 0.1% 1/8W
R624	1-216-766-11	s	RES, METAL 2910 0.1% 1/8W
R818	1-205-901-11	s	RES, CEMENT 2.7 10% 5W
R819	1-207-612-00	s	RES, WIREWOUND 0.1 10% 3W
R848	1-205-901-11	s	RES, CEMENT 2.7 10% 5W
R849	1-207-612-00	s	RES, WIREWOUND 0.1 10% 3W
R878	1-205-908-11	s	RES, CEMENT 27 10% 5W
R879	1-207-612-00	s	RES, WIREWOUND 0.1 10% 3W
RB1	1-231-449-00	s	RESISTOR BLOCK, 620X4
RB2	1-231-449-00	s	RESISTOR BLOCK, 620X4
RB3	1-231-504-00	s	RESISTOR BLOCK, 620X4
RB4	1-231-450-00	s	RESISTOR BLOCK, 3.3KX8
RB5	1-231-450-00	s	RESISTOR BLOCK, 3.3KX8
RB6	1-231-450-00	s	RESISTOR BLOCK, 3.3KX8
RB101	1-231-449-00	s	RESISTOR BLOCK, 620X4
RB201	1-231-449-00	s	RESISTOR BLOCK, 620X4
RB301	1-231-449-00	s	RESISTOR BLOCK, 620X4
RB401	1-231-449-00	s	RESISTOR BLOCK, 620X4
RB501	1-231-449-00	s	RESISTOR BLOCK, 620X4
RB601	1-231-449-00	s	RESISTOR BLOCK, 620X4
RV101	1-224-934-00	s	RES, VAR, METAL 100
RV102	1-224-937-00	s	RES, VAR, METAL 1K
RV104	1-224-934-00	s	RES, VAR, METAL 100
RV105	1-224-934-00	s	RES, VAR, METAL 100
RV106	1-224-941-00	s	RES, VAR, METAL 20K
RV107	1-224-941-00	s	RES, VAR, METAL 20K
RV108	1-224-934-00	s	RES, VAR, METAL 100
RV109	1-224-937-00	s	RES, VAR, METAL 1K
RV201	1-224-934-00	s	RES, VAR, METAL 100
RV202	1-224-937-00	s	RES, VAR, METAL 1K
RV204	1-224-934-00	s	RES, VAR, METAL 100
RV205	1-224-934-00	s	RES, VAR, METAL 100
RV206	1-224-941-00	s	RES, VAR, METAL 20K
RV207	1-224-941-00	s	RES, VAR, METAL 20K

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(VA-45 BOARD, DVPC-1000)

#21301 & UP (J)
#21001 & UP (UC)
#11201 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
RV208	1-224-934-00	s	RES, VAR, METAL 100
RV209	1-224-937-00	s	RES, VAR, METAL 1K
RV301	1-224-934-00	s	RES, VAR, METAL 100
RV302	1-224-937-00	s	RES, VAR, METAL 1K
RV303	1-224-942-00	s	RES, VAR, METAL 50K
RV305	1-224-936-00	s	RES, VAR, METAL 500
RV306	1-224-941-00	s	RES, VAR, METAL 20K
RV307	1-224-939-00	s	RES, VAR, METAL 5K
RV308	1-224-934-00	s	RES, VAR, METAL 100
RV309	1-224-937-00	s	RES, VAR, METAL 1K
RV310	1-230-741-21	s	RES, VAR, CARBON 10K
RV401	1-224-935-00	s	RES, VAR, METAL 200
RV403	1-224-941-00	s	RES, VAR, METAL 20K
RV404	1-224-937-00	s	RES, VAR, METAL 1K
RV501	1-224-935-00	s	RES, VAR, METAL 200
RV503	1-224-941-00	s	RES, VAR, METAL 20K
RV504	1-224-936-00	s	RES, VAR, METAL 500
RV601	1-224-935-00	s	RES, VAR, METAL 200
RV603	1-224-941-00	s	RES, VAR, METAL 20K
RV604	1-224-935-00	s	RES, VAR, METAL 200
RV605	1-224-934-00	s	RES, VAR, METAL 100
RV606	1-224-935-00	s	RES, VAR, METAL 200
RV701	1-230-741-21	s	RES, VAR, CARBON 10K
RV702	1-224-934-00	s	RES, VAR, METAL 100
RV703	1-224-937-00	s	RES, VAR, METAL 1K
RV704	1-224-934-00	s	RES, VAR, METAL 100
RV705	1-224-935-00	s	RES, VAR, METAL 200
RV801	1-224-937-00	s	RES, VAR, METAL 1K
RV802	1-224-939-00	s	RES, VAR, METAL 5K
RV831	1-224-937-00	s	RES, VAR, METAL 1K
RV832	1-224-939-00	s	RES, VAR, METAL 5K
RV861	1-224-935-00	s	RES, VAR, METAL 200
RV862	1-224-939-00	s	RES, VAR, METAL 5K
S1	1-570-623-11	s	SWITCH, DIP 4CKT
S2	1-570-623-11	s	SWITCH, DIP 4CKT
S3	1-570-623-11	s	SWITCH, DIP 4CKT
S101	1-554-397-21	s	SWITCH, TOGGLE
S701	1-554-397-21	s	SWITCH, TOGGLE

VE-12 BOARD, DVPC-1000

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6019-007-A	o	COMPLETE PCB, VE-12
(This assembly includes the following parts.)			
1pc	3-715-721-61	o	LABEL (2), SERIAL NUMBER
2pcs	3-673-249-00	o	LEVER, PC BOARD
2pcs	7-621-775-10	s	SCREW, +B 2.6X4
2pcs	7-626-320-11	o	PIN, SPRING 3X8
2pcs	7-628-254-20	s	SCREW, +PSW, 2.6X8
6pcs	7-628-253-40	s	SCREW, +PS 2X10
21pcs	7-628-254-10	s	SCREW, +PSW, 2.6X6
C1	1-124-236-00	s	CAP, ELECT 47uF 16V
C2	1-124-236-00	s	CAP, ELECT 47uF 16V
C3	1-124-236-00	s	CAP, ELECT 47uF 16V
C4	1-124-236-00	s	CAP, ELECT 47uF 16V
C5	1-124-236-00	s	CAP, ELECT 47uF 16V
C6	1-124-236-00	s	CAP, ELECT 47uF 16V
CN1	1-566-385-11	s	PIN, SHORT
CN101M	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103M	1-506-746-11	s	RECEP, DIN 48P, MALE
CP1	8-759-107-45	s	IC uPA54HA
CP2	8-759-107-45	s	IC uPA54HA
CP3	8-759-107-46	s	IC uPA64HA
CP4	8-759-107-46	s	IC uPA64HA
CP5	8-759-107-45	s	IC uPA54HA
CP6	8-759-107-46	s	IC uPA64HA
CP7	1-231-455-00	s	CR BLOCK, R=51, C=0.01
CP8	1-231-455-00	s	CR BLOCK, R=51, C=0.01
CP9	1-231-455-00	s	CR BLOCK, R=51, C=0.01
CP10	1-231-455-00	s	CR BLOCK, R=51, C=0.01
CP11	1-231-455-00	s	CR BLOCK, R=51, C=0.01
CP12	1-231-455-00	s	CR BLOCK, R=51, C=0.01
CP13	1-231-455-00	s	CR BLOCK, R=51, C=0.01
CP14	1-231-455-00	s	CR BLOCK, R=51, C=0.01
CP15	1-231-455-00	s	CR BLOCK, R=51, C=0.01
CP16	1-231-455-00	s	CR BLOCK, R=51, C=0.01
CP21	1-231-455-00	s	CR BLOCK, R=51, C=0.01
F1	▲ 1-576-031-11	s	FUSE, MICRO 10A
F2	▲ 1-576-031-11	s	FUSE, MICRO 10A
ICA1	8-759-774-92	s	IC MB7124H-VE12011
ICA3	8-759-202-55	s	IC TC74HC244P
ICA5	8-759-233-05	s	IC TC74HC283AP
ICA6	8-759-233-05	s	IC TC74HC283AP
ICA7	8-759-774-92	s	IC MB7124H-VE12011
ICA9	8-759-233-05	s	IC TC74HC283AP
ICA11	8-759-233-05	s	IC TC74HC283AP
ICA12	8-759-202-55	s	IC TC74HC244P
ICA13	8-759-202-55	s	IC TC74HC244P
ICA14	8-759-202-55	s	IC TC74HC244P
ICA15	8-752-304-30	s	IC CX23043
ICA16	8-752-304-30	s	IC CX23043
ICA18	8-759-203-01	s	IC TC74HC175P
ICA19	8-759-001-42	s	IC MC74HC174N
ICA20	8-759-903-74	s	IC SN74LS374N
ICA21	8-759-903-74	s	IC SN74LS374N
ICA23	8-759-937-86	s	IC CX20214
ICA25	8-759-937-86	s	IC CX20214
ICA27	8-759-937-86	s	IC CX20214
ICA28	8-759-937-86	s	IC CX20214
ICA29	8-759-786-63	s	IC MB7232RA-VE12092
ICA30	8-759-112-37	s	IC uPD41101C-3
ICA31	8-759-903-74	s	IC SN74LS374N
ICA33	8-759-937-27	s	IC CXB1001G
ICA35	8-759-904-87	s	IC 74F374PC
ICA36	8-759-904-87	s	IC 74F374PC
ICA37	8-759-300-25	s	IC HD10125
ICA38	8-759-300-25	s	IC HD10125
ICB1	8-759-203-36	s	IC TC74HC374P
ICB3	8-759-203-36	s	IC TC74HC374P
ICB5	8-759-203-36	s	IC TC74HC374P
ICB6	8-759-203-36	s	IC TC74HC374P
ICB7	8-759-203-36	s	IC TC74HC374P
ICB9	8-759-203-36	s	IC TC74HC374P
ICB11	8-759-203-36	s	IC TC74HC374P

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(VE-12 BOARD, DVPC-1000)

Ref. No. or Qty	Part No.	SP	Description
ICB13	8-759-786-39	s	IC MBM27C256A-VE12031
ICB14	8-759-786-40	s	IC MBM27C256A-VE12041
ICB15	8-759-786-41	s	IC MBM27C256A-VE12051
ICB17	8-759-786-42	s	IC MBM27C256A-VE12061
ICB19	8-759-001-42	s	IC MC74HC174N
ICB20	8-759-903-74	s	IC SN74LS374N
ICB21	8-759-903-74	s	IC SN74LS374N
ICB23	8-759-937-86	s	IC CX20214
ICB25	8-759-937-86	s	IC CX20214
ICB27	8-759-937-86	s	IC CX20214
ICB28	8-759-937-86	s	IC CX20214
ICB29	8-759-786-63	s	IC MB7232RA-VE12092
ICB30	8-759-112-37	s	IC uPD41101C-3
ICB31	8-759-903-74	s	IC SN74LS374N
ICB32	8-759-774-61	s	IC MB7138HSK-VE12131
ICB33	8-759-112-37	s	IC uPD41101C-3
ICB34	8-759-901-74	s	IC SN74LS174N
ICB35	8-759-300-25	s	IC HD10125
ICB36	8-759-300-25	s	IC HD10125
ICB38	8-759-300-25	s	IC HD10125
ICC19	8-759-202-11	s	IC TC74HC00P
ICC20	8-759-903-74	s	IC SN74LS374N
ICC21	8-759-903-74	s	IC SN74LS374N
ICC23	8-759-937-86	s	IC CX20214
ICC25	8-759-937-86	s	IC CX20214
ICC27	8-759-937-86	s	IC CX20214
ICC28	8-759-937-86	s	IC CX20214
ICC29	8-759-918-33	s	IC CX20160
ICC30	8-759-903-74	s	IC SN74LS374N
ICC31	8-759-786-64	s	IC MB7232RA-VE12122
ICC32	8-759-112-37	s	IC uPD41101C-3
ICC33	8-759-903-74	s	IC SN74LS374N
ICC34	8-759-900-04	s	IC SN74LS04N
ICC36	8-759-777-53	s	IC MBL8742H-VE121510
ICC39	8-759-203-54	s	IC TC74HC640P
ICD1	8-759-793-72	s	IC PAL16L8B-VE12021
ICD3	8-759-793-72	s	IC PAL16L8B-VE12021
ICD5	8-759-793-72	s	IC PAL16L8B-VE12021
ICD6	8-759-793-72	s	IC PAL16L8B-VE12021
ICD7	8-759-793-72	s	IC PAL16L8B-VE12021
ICD9	8-759-793-72	s	IC PAL16L8B-VE12021
ICD11	8-759-793-72	s	IC PAL16L8B-VE12021
ICD13	8-752-304-30	s	IC CX23043
ICD14	8-752-304-30	s	IC CX23043
ICD15	8-759-774-38	s	IC MB7232RA-VE12071
ICD16	8-752-304-30	s	IC CX23043
ICD18	8-759-774-21	s	IC MB7226RA-VE12081
ICD19	8-752-304-30	s	IC CX23043
ICD20	8-759-903-74	s	IC SN74LS374N
ICD21	8-759-903-74	s	IC SN74LS374N
ICD34	8-759-915-41	s	IC 74F02PC
ICD35	8-759-901-61	s	IC SN74LS161AN
ICD39	8-759-203-61	s	IC TC74HC688P
ICE1	8-759-793-72	s	IC PAL16L8B-VE12021
ICE3	8-759-793-72	s	IC PAL16L8B-VE12021
ICE5	8-759-793-72	s	IC PAL16L8B-VE12021
ICE6	8-759-793-72	s	IC PAL16L8B-VE12021
ICE7	8-759-793-72	s	IC PAL16L8B-VE12021
ICE9	8-759-793-72	s	IC PAL16L8B-VE12021
ICE11	8-759-793-72	s	IC PAL16L8B-VE12021
ICE13	8-752-304-30	s	IC CX23043
ICE14	8-752-304-30	s	IC CX23043
ICE15	8-759-774-38	s	IC MB7232RA-VE12071
ICE16	8-752-304-30	s	IC CX23043
ICE18	8-759-774-21	s	IC MB7226RA-VE12081
ICE19	8-752-304-30	s	IC CX23043
ICE20	8-759-202-18	s	IC TC74HC20P
ICE24	8-759-803-70	s	IC LC74HC08
ICE26	8-759-202-74	s	IC TC74HC04P
ICE27	8-759-916-29	s	IC SN74HC74N
ICE28	8-759-916-29	s	IC SN74HC74N
ICE29	8-759-803-70	s	IC LC74HC08
ICE30	8-759-202-74	s	IC TC74HC04P
ICE31	8-759-202-32	s	IC TC74HC163P

(VE-12 BOARD, DVPC-1000)

Ref. No. or Qty	Part No.	SP	Description
ICE32	8-759-900-74	s	IC SN74LS74AN
ICE33	8-759-796-73	s	IC GAL16V8-VE12171
ICE34	8-759-796-74	s	IC GAL16V8-VE12161
ICE35	8-759-900-02	s	IC SN74LS02N
ICE36	8-759-900-04	s	IC SN74LS04N
ICE38	8-759-926-31	s	IC AM26LS31PC
ICE39	8-759-202-74	s	IC TC74HC04P
ICE40	8-759-202-74	s	IC TC74HC04P
ICF2	8-752-326-64	s	IC CXK5464PN-55L
ICF4	8-752-326-64	s	IC CXK5464PN-55L
ICF5	8-752-326-64	s	IC CXK5464PN-55L
ICF6	8-752-326-64	s	IC CXK5464PN-55L
ICF7	8-752-326-64	s	IC CXK5464PN-55L
ICF8	8-752-326-64	s	IC CXK5464PN-55L
ICF10	8-752-326-64	s	IC CXK5464PN-55L
ICF11	8-752-326-64	s	IC CXK5464PN-55L
ICF13	8-759-937-86	s	IC CX20214
ICF14	8-759-937-86	s	IC CX20214
ICF15	8-759-937-86	s	IC CX20214
ICF16	8-759-937-86	s	IC CX20214
ICF18	8-759-203-50	s	IC TC74HC574P
ICF20	8-759-111-80	s	IC CXD1037G
ICF22	8-759-903-74	s	IC SN74LS374N
ICF24	8-752-322-09	s	IC CXK5814P-35L
ICF26	8-759-917-70	s	IC 74F241PC
ICF27	8-759-202-11	s	IC TC74HC00P
ICF28	8-759-202-74	s	IC TC74HC04P
ICF29	8-759-202-74	s	IC TC74HC04P
ICF30	8-759-202-21	s	IC TC74HC32P
ICF31	8-759-202-84	s	IC TC74HC109P
ICF32	8-759-900-08	s	IC SN74LS08N
ICF33	8-759-900-00	s	IC SN74LS00N
ICF34	8-759-900-00	s	IC SN74LS00N
ICF35	8-759-900-32	s	IC SN74LS32N
ICF36	8-759-901-09	s	IC SN74ALS109AN
ICF38	8-759-900-04	s	IC SN74LS04N
ICF39	8-759-900-04	s	IC SN74LS04N
ICF40	8-759-926-32	s	IC AM26LS32PC
ICG27	8-759-803-70	s	IC LC74HC08
ICG28	8-759-900-10	s	IC SN74LS10N
ICG29	8-759-916-29	s	IC SN74HC74N
ICG30	8-759-916-29	s	IC SN74HC74N
ICG31	8-759-904-83	s	IC 74F32PC
ICG32	8-759-900-00	s	IC SN74LS00N
ICG33	8-759-904-80	s	IC 74F04PC
ICG34	8-759-900-00	s	IC SN74LS00N
ICG35	8-759-916-29	s	IC SN74HC74N
ICG36	8-759-803-70	s	IC LC74HC08
ICG38	8-759-909-47	s	IC SN74ALS574N
ICH2	8-752-326-64	s	IC CXK5464PN-55L
ICH4	8-752-326-64	s	IC CXK5464PN-55L
ICH5	8-752-326-64	s	IC CXK5464PN-55L
ICH6	8-752-326-64	s	IC CXK5464PN-55L
ICH7	8-752-326-64	s	IC CXK5464PN-55L
ICH8	8-752-326-64	s	IC CXK5464PN-55L
ICH10	8-752-326-64	s	IC CXK5464PN-55L
ICH11	8-752-326-64	s	IC CXK5464PN-55L
ICH13	8-759-937-86	s	IC CX20214
ICH14	8-759-937-86	s	IC CX20214
ICH15	8-759-937-86	s	IC CX20214
ICH16	8-759-937-86	s	IC CX20214
ICH18	8-759-203-50	s	IC TC74HC574P
ICH20	8-759-111-80	s	IC CXD1037G
ICH22	8-759-903-74	s	IC SN74LS374N
ICH24	8-752-322-09	s	IC CXK5814P-35L
ICH26	8-759-917-70	s	IC 74F241PC
ICH30	8-759-202-74	s	IC TC74HC04P
ICH31	8-759-202-21	s	IC TC74HC32P
ICH32	8-759-203-01	s	IC TC74HC175P
ICH33	8-759-001-42	s	IC MC74HC174N
ICH35	8-759-900-04	s	IC SN74LS04N
ICJ2	8-752-326-64	s	IC CXK5464PN-55L
ICJ4	8-752-326-64	s	IC CXK5464PN-55L
ICJ5	8-752-326-64	s	IC CXK5464PN-55L
ICJ6	8-752-326-64	s	IC CXK5464PN-55L

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(VE-12 BOARD, DVPC-1000)

Ref. No. or Qty	Part No.	SP	Description
ICJ7	8-752-326-64	s	IC CXK5464PN-55L
ICJ8	8-752-326-64	s	IC CXK5464PN-55L
ICJ10	8-752-326-64	s	IC CXK5464PN-55L
ICJ11	8-752-326-64	s	IC CXK5464PN-55L
ICJ13	8-759-937-86	s	IC CX20214
ICJ14	8-759-937-86	s	IC CX20214
ICJ15	8-759-937-86	s	IC CX20214
ICJ16	8-759-937-86	s	IC CX20214
ICJ18	8-759-203-50	s	IC TC74HC574P
ICJ20	8-759-111-80	s	IC CXD1037G
ICJ22	8-759-903-74	s	IC SN74LS374N
ICJ24	8-752-322-09	s	IC CXK5814P-35L
ICJ26	8-759-917-70	s	IC 74F241PC
ICJ27	8-759-774-88	s	IC MB7138HSK-VE12101
ICJ29	8-759-774-60	s	IC MB7138HSK-VE12111
ICJ30	8-759-903-74	s	IC SN74LS374N
ICJ31	8-759-903-74	s	IC SN74LS374N
ICJ32	8-752-304-30	s	IC CX23043
ICJ33	8-759-774-46	s	IC MB7128H-VE12141
ICJ34	8-759-909-47	s	IC SN74ALS574N
ICJ35	8-759-909-47	s	IC SN74ALS574N
ICJ36	8-759-909-47	s	IC SN74ALS574N
ICJ38	8-759-909-47	s	IC SN74ALS574N
ICJ39	8-759-796-63	s	IC GAL16V8-VE12181
ICK2	8-752-326-64	s	IC CXK5464PN-55L
ICK4	8-752-326-64	s	IC CXK5464PN-55L
ICK5	8-752-326-64	s	IC CXK5464PN-55L
ICK6	8-752-326-64	s	IC CXK5464PN-55L
ICK7	8-752-326-64	s	IC CXK5464PN-55L
ICK8	8-752-326-64	s	IC CXK5464PN-55L
ICK10	8-752-326-64	s	IC CXK5464PN-55L
ICK11	8-752-326-64	s	IC CXK5464PN-55L
ICK13	8-759-937-86	s	IC CX20214
ICK14	8-759-937-86	s	IC CX20214
ICK15	8-759-937-86	s	IC CX20214
ICK16	8-759-937-86	s	IC CX20214
ICK18	8-759-203-50	s	IC TC74HC574P
ICK20	8-759-111-80	s	IC CXD1037G
ICK22	8-759-903-74	s	IC SN74LS374N
ICK24	8-752-322-09	s	IC CXK5814P-35L
ICK26	8-752-304-30	s	IC CX23043
ICK27	8-752-304-30	s	IC CX23043
ICK29	8-759-917-72	s	IC 74F244PC
ICK30	8-759-909-47	s	IC SN74ALS574N
ICK31	8-759-909-47	s	IC SN74ALS574N
ICK32	8-759-909-47	s	IC SN74ALS574N
ICK33	8-759-909-47	s	IC SN74ALS574N
ICK34	8-759-909-47	s	IC SN74ALS574N
ICK35	8-759-909-47	s	IC SN74ALS574N
ICK36	8-759-909-47	s	IC SN74ALS574N
ICK38	8-759-909-47	s	IC SN74ALS574N
ICK39	8-759-909-47	s	IC SN74ALS574N
L1	1-421-370-00	s	COIL, CHOKE
L2	1-421-370-00	s	COIL, CHOKE
L3	1-421-370-00	s	COIL, CHOKE
L4	1-421-370-00	s	COIL, CHOKE
L5	1-421-370-00	s	COIL, CHOKE
L6	1-421-370-00	s	COIL, CHOKE
L7	1-410-316-11	s	INDUCTOR 1uH 20%
L8	1-410-316-11	s	INDUCTOR 1uH 20%
L9	1-410-316-11	s	INDUCTOR 1uH 20%
L10	1-410-316-11	s	INDUCTOR 1uH 20%
L11	1-410-316-11	s	INDUCTOR 1uH 20%
L12	1-410-316-11	s	INDUCTOR 1uH 20%
L13	1-410-316-11	s	INDUCTOR 1uH 20%
L14	1-410-316-11	s	INDUCTOR 1uH 20%
L15	1-410-316-11	s	INDUCTOR 1uH 20%
L16	1-410-316-11	s	INDUCTOR 1uH 20%
L17	1-410-316-11	s	INDUCTOR 1uH 20%
L18	1-410-316-11	s	INDUCTOR 1uH 20%
L19	1-410-316-11	s	INDUCTOR 1uH 20%
L20	1-410-316-11	s	INDUCTOR 1uH 20%
L21	1-410-316-11	s	INDUCTOR 1uH 20%
L22	1-410-316-11	s	INDUCTOR 1uH 20%
L23	1-410-316-11	s	INDUCTOR 1uH 20%
L24	1-410-316-11	s	INDUCTOR 1uH 20%

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(VE-12 BOARD, DVPC-1000)

Ref. No. or Qty	Part No.	SP	Description
RB1	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB2	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB3	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB4	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB5	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB6	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB7	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB8	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB9	1-231-385-00	s	RESISTOR BLOCK, 4.7KX8
RB10	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB11	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB12	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB13	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB14	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB15	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB16	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB17	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB18	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB19	1-231-410-00	s	RESISTOR BLOCK, 10KX8
S1	1-570-623-11	s	SWITCH, DIP 4CKT
S2	1-554-397-21	s	SWITCH, TOGGLE
X1	1-527-828-00	s	CRYSTAL 12.000MHz

VN-01 BOARD, DVPC-1000

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6019-012-A	o	COMPLETE PCB, VN-01

(This assembly includes the following parts.)

Ref. No. or Qty	Part No.	SP	Description
1pc	3-715-724-11	o	LABEL (2), SERIAL NUMBER
2pcs	3-673-249-00	o	LEVER, PC BOARD
2pcs	7-621-775-10	s	SCREW, +B 2.6X4
2pcs	7-626-320-11	o	PIN, SPRING 3X8
2pcs	7-628-254-20	s	SCREW, +PSW, 2.6X8
6pcs	7-628-253-40	s	SCREW, +PS 2X10
21pcs	7-628-254-10	s	SCREW, +PSW, 2.6X6
C25	1-161-013-00	s	CAP, CERAMIC 0.01uF 10% 25V
C38	1-161-013-00	s	CAP, CERAMIC 0.01uF 10% 25V
C42	1-131-347-00	s	CAP, TANT 1uF 20% 35V
CN1	1-560-733-00	s	PIN, SHORT
CN2	1-560-733-00	s	PIN, SHORT
CN3	1-560-733-00	s	PIN, SHORT
CN4	1-560-733-00	s	PIN, SHORT
CN5	1-560-733-00	s	PIN, SHORT
CN6	1-560-733-00	s	PIN, SHORT
CN7	1-560-733-00	s	PIN, SHORT
CN8	1-560-733-00	s	PIN, SHORT
CN9	1-560-733-00	s	PIN, SHORT
CN10	1-560-733-00	s	PIN, SHORT
CN11	1-560-733-00	s	PIN, SHORT
CN12	1-560-733-00	s	PIN, SHORT
CN14	1-560-733-00	s	PIN, SHORT
CN101M	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103M	1-506-746-11	s	RECEP, DIN 48P, MALE
D1	8-719-800-60	s	DIODE TLR214
F1	⚠ 1-532-926-12	s	FUSE, MICRO 10A
F2	⚠ 1-532-926-12	s	FUSE, MICRO 10A
ICA1	8-759-112-37	s	IC uPD41101C-3
ICA2	8-759-203-43	s	IC TC74HC534P
ICA3	8-759-203-36	s	IC TC74HC374P
ICA4	8-759-203-36	s	IC TC74HC374P
ICA5	8-759-203-36	s	IC TC74HC374P
ICA6	8-759-004-80	s	IC MC74HCT374N
ICA7	8-759-112-37	s	IC uPD41101C-3
ICA8	8-759-112-37	s	IC uPD41101C-3
ICA9	8-759-004-82	s	IC MC74HCT534N
ICA10	8-759-004-82	s	IC MC74HCT534N
ICA11	8-759-774-41	s	IC MB7232RA-VN01021
ICA12	8-759-918-39	s	IC CX20167
ICA13	8-759-774-41	s	IC MB7232RA-VN01021
ICA14	8-759-918-39	s	IC CX20167
ICA15	8-759-203-36	s	IC TC74HC374P
ICA16	8-759-004-80	s	IC MC74HCT374N
ICA17	8-759-790-28	s	IC VP16V8E-VN01061
ICA18	8-759-202-75	s	IC TC74HCT04P
ICA19	8-759-906-78	s	IC 74F399PC
ICA22	8-759-913-63	s	IC SN74ALS374N
ICA23	8-759-906-78	s	IC 74F399PC
ICA24	8-759-004-80	s	IC MC74HCT374N
ICA25	8-759-913-63	s	IC SN74ALS374N
ICA26	8-759-903-99	s	IC SN74LS399N
ICA27	8-759-903-99	s	IC SN74LS399N
ICA29	8-759-113-09	s	IC CXD1040G
ICA31	8-759-113-09	s	IC CXD1040G
ICA33	8-759-113-09	s	IC CXD1040G
ICB2	8-759-906-76	s	IC 74F283PC
ICB3	8-759-906-76	s	IC 74F283PC
ICB4	8-759-906-76	s	IC 74F283PC
ICB5	8-759-113-08	s	IC CXD1039G
ICB7	8-759-202-75	s	IC TC74HCT04P
ICB9	8-759-004-80	s	IC MC74HCT374N
ICB10	8-759-203-36	s	IC TC74HC374P
ICB11	8-759-925-08	s	IC SN74ALS174N
ICB12	8-759-925-08	s	IC SN74ALS174N
ICB13	8-759-925-08	s	IC SN74ALS174N
ICB14	8-759-925-08	s	IC SN74ALS174N
ICB15	8-759-790-27	s	IC VP16V8E-VN01041
ICB16	8-759-004-80	s	IC MC74HCT374N

(VN-01 BOARD, DVPC-1000)

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. ot Qty	Part No.	SP	Description
ICB17	8-759-913-63	s	IC SN74ALS374N
ICB18	8-759-918-33	s	IC CX20160
ICB19	8-759-913-63	s	IC SN74ALS374N
ICB20	8-759-774-63	s	IC MB7138HSK-VN01081
ICB21	8-759-774-64	s	IC MB7138HSK-VN01111
ICB24	8-759-776-09	s	IC MB7124H-VN01281
ICB25	8-759-774-94	s	IC MB7124H-VN01161
ICB26	8-759-203-36	s	IC TC74HC374P
ICB27	8-759-790-33	s	IC VP16V8E-VN01201
ICB28	8-759-900-32	s	IC SN74LS32N
ICB29	8-759-900-86	s	IC SN74LS86N
ICB30	8-759-112-37	s	IC uPD41101C-3
ICB31	8-759-774-95	s	IC MB7124H-VN01241
ICB32	8-759-774-95	s	IC MB7124H-VN01241
ICB33	8-759-774-95	s	IC MB7124H-VN01241
ICC1	8-759-906-76	s	IC 74F283PC
ICC2	8-759-906-76	s	IC 74F283PC
ICC3	8-759-906-76	s	IC 74F283PC
ICC4	8-759-936-57	s	IC SN74ALS251N
ICC5	8-759-004-80	s	IC MC74HCT374N
ICC6	8-759-203-36	s	IC TC74HC374P
ICC7	8-759-203-43	s	IC TC74HC534P
ICC8	8-759-112-37	s	IC uPD41101C-3
ICC9	8-759-004-80	s	IC MC74HCT374N
ICC10	8-759-203-36	s	IC TC74HC374P
ICC11	8-759-902-83	s	IC SN74LS283N
ICC12	8-759-902-83	s	IC SN74LS283N
ICC13	8-759-902-83	s	IC SN74LS283N
ICC14	8-759-902-83	s	IC SN74LS283N
ICC15	8-759-903-92	s	IC SN74LS682N
ICC16	8-759-790-27	s	IC VP16V8E-VN01041
ICC17	8-759-913-63	s	IC SN74ALS374N
ICC18	8-759-918-33	s	IC CX20160
ICC19	8-759-790-29	s	IC VP16V8E-VN01092
ICC20	8-759-913-63	s	IC SN74ALS374N
ICC21	8-759-904-87	s	IC 74F374PC
ICC23	8-759-777-58	s	IC MBL8742H-VN011411
ICC24	8-759-004-80	s	IC MC74HCT374N
ICC25	8-759-004-80	s	IC MC74HCT374N
ICC26	8-759-004-80	s	IC MC74HCT374N
ICC27	8-759-203-16	s	IC TC74HCT244P
ICC28	8-759-912-48	s	IC SN74ALS874NT
ICC29	8-759-203-16	s	IC TC74HCT244P
ICC31	8-759-913-63	s	IC SN74ALS374N
ICC32	8-759-913-63	s	IC SN74ALS374N
ICC33	8-759-913-63	s	IC SN74ALS374N
ICC34	8-759-790-35	s	IC VP16V8E-VN01271
ICD2	8-759-917-83	s	IC 74F353PC
ICD3	8-759-917-83	s	IC 74F353PC
ICD4	8-759-936-57	s	IC SN74ALS251N
ICD5	8-759-112-37	s	IC uPD41101C-3
ICD6	8-759-004-82	s	IC MC74HCT534N
ICD7	8-759-904-88	s	IC 74F534PC
ICD8	8-759-903-77	s	IC SN74LS377N
ICD9	8-759-936-57	s	IC SN74ALS251N
ICD11	8-759-791-16	s	IC VP16V8E-VN01032
ICD12	8-759-791-16	s	IC VP16V8E-VN01032
ICD13	8-759-791-16	s	IC VP16V8E-VN01032
ICD14	8-759-791-16	s	IC VP16V8E-VN01032
ICD15	8-759-906-78	s	IC 74F399PC
ICD16	8-759-004-80	s	IC MC74HCT374N
ICD17	8-759-112-37	s	IC uPD41101C-3
ICD18	8-759-913-63	s	IC SN74ALS374N
ICD19	8-759-790-29	s	IC VP16V8E-VN01092
ICD20	8-759-774-62	s	IC MB7138HSK-VN01071
ICD21	8-759-775-53	s	IC MB7142H-VN01101
ICD24	8-759-203-36	s	IC TC74HC374P
ICD25	8-759-203-36	s	IC TC74HC374P
ICD26	8-759-004-80	s	IC MC74HCT374N
ICD27	8-759-904-80	s	IC 74F04PC

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(VN-01 BOARD, DVPC-1000)

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICD30	8-759-912-30	s	IC SN74ALS640AN
ICD31	8-759-900-08	s	IC SN74LS08N
ICD32	8-759-900-04	s	IC SN74LS04N
ICD33	8-759-926-32	s	IC AM26LS32PC
ICD34	8-759-904-14	s	IC SN74ALS04AN
ICE2	8-759-917-83	s	IC 74F353PC
ICE3	8-759-917-83	s	IC 74F353PC
ICE4	8-759-936-57	s	IC SN74ALS251N
ICE5	8-759-004-80	s	IC MC74HCT374N
ICE6	8-759-004-80	s	IC MC74HCT374N
ICE7	8-759-913-63	s	IC SN74ALS374N
ICE8	8-759-112-37	s	IC uPD41101C-3
ICE9	8-759-936-57	s	IC SN74ALS251N
ICE11	8-759-902-83	s	IC SN74LS283N
ICE12	8-759-902-83	s	IC SN74LS283N
ICE13	8-759-902-83	s	IC SN74LS283N
ICE14	8-759-902-83	s	IC SN74LS283N
ICE15	8-759-906-78	s	IC 74F399PC
ICE17	8-759-904-33	s	IC SN74ALS20AN
ICE18	8-759-913-63	s	IC SN74ALS374N
ICE19	8-759-004-80	s	IC MC74HCT374N
ICE20	8-759-203-36	s	IC TC74HC374P
ICE21	8-759-203-36	s	IC TC74HC374P
ICE22	8-759-902-40	s	IC SN74LS240N
ICE23	8-759-103-88	s	IC uPD82C43CY
ICE24	8-759-776-15	s	IC MB7134H-VN01171
ICE25	8-759-776-13	s	IC MB7134H-VN01291
ICE26	8-759-776-14	s	IC MB7134H-VN01301
ICE27	8-759-202-55	s	IC TC74HC244P
ICE28	8-759-913-63	s	IC SN74ALS374N
ICE29	8-759-913-63	s	IC SN74ALS374N
ICE30	8-759-912-12	s	IC SN74ALS240AN
ICE31	8-759-912-12	s	IC SN74ALS240AN
ICE32	8-759-790-34	s	IC VP16V8E-VN01251
ICE33	8-759-936-69	s	IC SN74ALS534N
ICF2	8-759-203-36	s	IC TC74HC374P
ICF4	8-759-936-57	s	IC SN74ALS251N
ICF5	8-759-203-36	s	IC TC74HC374P
ICF6	8-759-203-36	s	IC TC74HC374P
ICF7	8-759-004-80	s	IC MC74HCT374N
ICF8	8-759-004-82	s	IC MC74HCT534N
ICF9	8-759-936-57	s	IC SN74ALS251N
ICF11	8-759-774-41	s	IC MB7232RA-VN01021
ICF12	8-759-918-39	s	IC CX20167
ICF13	8-759-774-41	s	IC MB7232RA-VN01021
ICF14	8-759-918-39	s	IC CX20167
ICF15	8-759-903-92	s	IC SN74LS682N
ICF16	8-759-903-92	s	IC SN74LS682N
ICF17	8-759-004-80	s	IC MC74HCT374N
ICF18	8-759-903-77	s	IC SN74LS377N
ICF19	8-759-112-37	s	IC uPD41101C-3
ICF20	8-759-774-93	s	IC MB7124H-VN01121
ICF21	8-759-774-93	s	IC MB7124H-VN01121
ICF22	8-759-902-40	s	IC SN74LS240N
ICF24	8-759-925-08	s	IC SN74ALS174N
ICF25	8-759-913-63	s	IC SN74ALS374N
ICF26	8-759-913-63	s	IC SN74ALS374N
ICF27	8-759-774-47	s	IC MB7128H-VN01211
ICF28	8-759-904-87	s	IC 74F374PC
ICF29	8-759-301-24	s	IC HD10124
ICF30	8-759-203-61	s	IC TC74HC688P
ICF31	8-759-301-24	s	IC HD10124
ICG3	8-759-918-33	s	IC CX20160
ICG4	8-759-936-57	s	IC SN74ALS251N
ICG9	8-759-936-57	s	IC SN74ALS251N
ICG11	8-759-925-08	s	IC SN74ALS174N
ICG12	8-759-925-08	s	IC SN74ALS174N
ICG13	8-759-925-08	s	IC SN74ALS174N
ICG14	8-759-925-08	s	IC SN74ALS174N
ICG15	8-759-906-78	s	IC 74F399PC

(VN-01 BOARD, DVPC-1000)

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICG16	8-759-913-63	s	IC SN74ALS374N
ICG17	8-759-913-63	s	IC SN74ALS374N
ICG18	8-759-774-62	s	IC MB7138HSK-VN01071
ICG19	8-759-775-53	s	IC MB7142H-VN01101
ICG20	8-759-913-63	s	IC SN74ALS374N
ICG21	8-759-913-63	s	IC SN74ALS374N
ICG22	8-759-902-40	s	IC SN74LS240N
ICG23	8-759-103-88	s	IC uPD82C43CY
ICG24	8-759-913-63	s	IC SN74ALS374N
ICG26	8-759-937-27	s	IC CXB1001G
ICG29	8-759-112-37	s	IC uPD41101C-3
ICG30	8-759-913-63	s	IC SN74ALS374N
ICG31	8-759-904-87	s	IC 74F374PC
ICG32	8-759-301-24	s	IC HD10124
ICG33	8-759-301-24	s	IC HD10124
ICH4	8-759-936-57	s	IC SN74ALS251N
ICH5	8-759-203-36	s	IC TC74HC374P
ICH6	8-759-906-76	s	IC 74F283PC
ICH7	8-759-906-76	s	IC 74F283PC
ICH9	8-759-936-57	s	IC SN74ALS251N
ICH10	8-759-904-85	s	IC 74F253PC
ICH11	8-759-902-83	s	IC SN74LS283N
ICH12	8-759-902-83	s	IC SN74LS283N
ICH13	8-759-902-83	s	IC SN74LS283N
ICH14	8-759-902-83	s	IC SN74LS283N
ICH15	8-759-906-78	s	IC 74F399PC
ICH16	8-759-918-33	s	IC CX20160
ICH17	8-759-918-33	s	IC CX20160
ICH20	8-759-774-06	s	IC MB7132HSK-VN01131
ICH21	8-759-774-06	s	IC MB7132HSK-VN01131
ICH22	8-759-913-63	s	IC SN74ALS374N
ICH23	8-759-790-30	s	IC VP16V8E-VN01152
ICH24	8-759-790-31	s	IC VP16V8E-VN01182
ICH25	8-759-203-68	s	IC TC74HC4040P
ICH26	8-759-902-21	s	IC SN74LS221N
ICH27	8-759-203-68	s	IC TC74HC4040P
ICH28	8-759-112-37	s	IC uPD41101C-3
ICH29	8-759-904-80	s	IC 74F04PC
ICH30	8-759-913-63	s	IC SN74ALS374N
ICH31	8-759-913-63	s	IC SN74ALS374N
ICH32	8-759-300-25	s	IC HD10125
ICH33	8-759-301-24	s	IC HD10124
ICJ3	8-759-004-80	s	IC MC74HCT374N
ICJ4	8-759-936-57	s	IC SN74ALS251N
ICJ5	8-759-203-36	s	IC TC74HC374P
ICJ6	8-759-906-76	s	IC 74F283PC
ICJ7	8-759-906-76	s	IC 74F283PC
ICJ9	8-759-936-57	s	IC SN74ALS251N
ICJ10	8-759-904-85	s	IC 74F253PC
ICJ11	8-759-791-16	s	IC VP16V8E-VN01032
ICJ12	8-759-791-16	s	IC VP16V8E-VN01032
ICJ13	8-759-791-16	s	IC VP16V8E-VN01032
ICJ14	8-759-791-16	s	IC VP16V8E-VN01032
ICJ15	8-759-004-80	s	IC MC74HCT374N
ICJ16	8-759-776-30	s	IC MB7114H-VN01052
ICJ17	8-759-906-78	s	IC 74F399PC
ICJ18	8-759-913-63	s	IC SN74ALS374N
ICJ19	8-759-904-87	s	IC 74F374PC
ICJ20	8-759-913-63	s	IC SN74ALS374N
ICJ21	8-752-304-30	s	IC CX23043
ICJ22	8-752-304-30	s	IC CX23043
ICJ23	8-759-913-63	s	IC SN74ALS374N
ICJ24	8-759-791-39	s	IC VP16V8E-VN01192
ICJ25	8-759-004-80	s	IC MC74HCT374N
ICJ27	8-759-780-49	s	IC MBM27C32-VN01222
ICJ28	8-752-304-30	s	IC CX23043
ICJ30	8-759-904-14	s	IC SN74ALS04AN
ICJ31	8-759-913-63	s	IC SN74ALS374N
ICJ32	8-759-913-63	s	IC SN74ALS374N
ICJ33	8-759-913-63	s	IC SN74ALS374N

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(VN-01 BOARD, DVPC-1000)

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICK1	8-759-202-55	s	IC TC74HC244P
ICK3	8-759-203-36	s	IC TC74HC374P
ICK4	8-759-936-57	s	IC SN74ALS251N
ICK6	8-759-906-76	s	IC 74F283PC
ICK7	8-759-906-76	s	IC 74F283PC
ICK9	8-759-936-57	s	IC SN74ALS251N
ICK10	8-759-904-85	s	IC 74F253PC
ICK18	8-759-774-63	s	IC MB7138HSK-VN01081
ICK19	8-759-774-64	s	IC MB7138HSK-VN01111
ICL1	8-759-202-55	s	IC TC74HC244P
ICL2	8-759-004-80	s	IC MC74HCT374N
ICL3	8-759-203-36	s	IC TC74HC374P
ICL4	8-759-203-36	s	IC TC74HC374P
ICL5	8-759-112-37	s	IC uPD41101C-3
ICL6	8-759-906-76	s	IC 74F283PC
ICL7	8-759-906-76	s	IC 74F283PC
ICL9	8-759-936-57	s	IC SN74ALS251N
ICL10	8-759-904-85	s	IC 74F253PC
ICL11	8-759-902-83	s	IC SN74LS283N
ICL12	8-759-902-83	s	IC SN74LS283N
ICL13	8-759-902-83	s	IC SN74LS283N
ICL14	8-759-902-83	s	IC SN74LS283N
ICL16	8-759-913-63	s	IC SN74ALS374N
ICL17	8-759-913-63	s	IC SN74ALS374N
ICL20	8-759-906-78	s	IC 74F399PC
ICL21	8-759-913-63	s	IC SN74ALS374N
ICL22	8-759-904-14	s	IC SN74ALS04AN
ICL23	8-759-202-32	s	IC TC74HC163P
ICL24	8-759-202-55	s	IC TC74HC244P
ICL25	8-759-202-55	s	IC TC74HC244P
ICL26	8-759-904-26	s	IC SN74ALS08N
ICL27	8-759-904-18	s	IC SN74ALS00AN
ICL28	8-759-900-00	s	IC SN74LS00N
ICL29	8-759-901-09	s	IC SN74ALS109AN
ICL30	8-759-004-80	s	IC MC74HCT374N
ICL32	8-759-778-71	s	IC MB7138HSK-VN01262
ICL33	8-752-304-30	s	IC CX23043
JS12	1-561-832-00	s	SOCKET, SHORT
L1	1-421-370-00	s	COIL, CHOKE
L2	1-421-370-00	s	COIL, CHOKE
L3	1-421-370-00	s	COIL, CHOKE
L4	1-421-370-00	s	COIL, CHOKE
L5	1-421-370-00	s	COIL, CHOKE
RB1	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB2	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB3	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB4	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB5	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB6	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB7	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB8	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB9	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB10	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB11	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB12	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB13	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB14	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB15	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB16	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB17	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB18	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB19	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB20	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB21	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB22	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB23	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB24	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB25	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB26	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB27	1-231-399-00	s	RESISTOR BLOCK, 330X8

(VN-01 BOARD, DVPC-1000)

#10001 TO 10699 (J)
#10001 TO 20999 (UC)
#10001 TO 10999 (EK)

Ref. No. or Qty	Part No.	SP	Description
RB28	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB29	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB31	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB32	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB33	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB34	1-235-005-00	s	RESISTOR BLOCK, 47KX8
S1	1-570-623-11	s	SWITCH, DIP 4CKT
S2	1-570-623-11	s	SWITCH, DIP 4CKT
S3	1-570-623-11	s	SWITCH, DIP 4CKT
S4	1-553-925-00	s	SWITCH, ROTARY
S5	1-553-925-00	s	SWITCH, ROTARY
X1	1-527-828-00	s	CRYSTAL 12.000MHz

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

VN-01 BOARD, DVPC-1000

#10701 TO 21899 (J)
#21001 TO 21099 (UC)
#11001 TO 21099 (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6019-012-B	o	COMPLETE PCB, VN-01

(The assembly includes the follwing parts.)

Ref. No. or Qty	Part No.	SP	Description
2pcs	3-673-249-11	o	LEVER, PC BOARD
1pc	3-715-724-11	o	LABEL (2), SERIAL NUMBER
2pcs	7-621-775-10	s	SCREW +B 2.6X4
2pcs	7-626-320-11	o	PIN, SPRING 3X8
6pcs	7-628-253-40	s	SCREW +PS 2X10
1pc	7-628-254-00	s	SCREW +PSW 2.6X5
20pcs	7-628-254-10	s	+PSW, 2.6X6
2pcs	7-628-254-20	s	+PSW, 2.6X8
C41	1-131-347-00	s	CAP, TANT 1uF 20% 35V
CN1	1-566-385-11	s	PIN, CONNECTOR 2P
CN2	1-566-385-11	s	PIN, CONNECTOR 2P
CN3	1-566-385-11	s	PIN, CONNECTOR 2P
CN4	1-566-385-11	s	PIN, CONNECTOR 2P
CN5	1-566-385-11	s	PIN, CONNECTOR 2P
CN6	1-566-385-11	s	PIN, CONNECTOR 2P
CN7	1-566-385-11	s	PIN, CONNECTOR 2P
CN8	1-566-385-11	s	PIN, CONNECTOR 2P
CN9	1-566-385-11	s	PIN, CONNECTOR 2P
CN10	1-566-385-11	s	PIN, CONNECTOR 2P
CN11	1-566-385-11	s	PIN, CONNECTOR 2P
CN101	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103	1-506-746-11	s	RECEP, DIN 48P, MALE
D1	8-719-800-60	s	DIODE TLR214
DL1	1-415-298-00	s	DELAY LINE
F1	⚠ 1-576-031-11	s	FUSE, MICRO 10A
F2	⚠ 1-576-031-11	s	FUSE, MICRO 10A
ICA1	8-759-918-33	s	IC CX20160
ICA2	8-759-794-76	s	IC PAL16R8B-VN01311
ICA3	8-759-913-63	s	IC SN74ALS374N
ICA4	8-759-913-63	s	IC SN74ALS374N
ICA5	8-759-906-78	s	IC 74F399PC
ICA6	8-759-774-41	s	IC MB7232RA-VN01021
ICA7	8-759-913-63	s	IC SN74ALS374N
ICA8	8-759-903-92	s	IC SN74LS682N
ICA9	8-759-774-41	s	IC MB7232RA-VN01021
ICA10	8-759-913-63	s	IC SN74ALS374N
ICA11	8-759-913-63	s	IC SN74ALS374N
ICA12	8-759-004-82	s	IC MC74HCT534N
ICA23	8-759-112-37	s	IC UPD41101C-3
ICA24	8-759-004-80	s	IC MC74HCT374N
ICA25	8-759-203-36	s	IC TC74HC374P
ICA26	8-759-202-75	s	IC TC74HCT04P
ICA28	8-759-903-99	s	IC SN74LS399N
ICA29	8-759-903-99	s	IC SN74LS399N
ICA30	8-759-913-63	s	IC SN74ALS374N
ICA31	8-759-913-63	s	IC SN74ALS374N
ICA32	8-759-004-80	s	IC MC74HCT374N
ICA33	8-759-203-16	s	IC TC74HCT244P
ICA34	8-759-900-86	s	IC SN74LS86N
ICB2	8-759-918-33	s	IC CX20160
ICB3	8-759-913-63	s	IC SN74ALS374N
ICB4	8-759-913-63	s	IC SN74ALS374N
ICB5	8-759-112-37	s	IC UPD41101C-3
ICB6	8-759-918-39	s	IC CX20167
ICB7	8-759-791-52	s	IC VP16V8E-VN01331
ICB8	8-759-791-52	s	IC VP16V8E-VN01331
ICB9	8-759-918-39	s	IC CX20167
ICB10	8-759-791-52	s	IC VP16V8E-VN01331
ICB11	8-759-791-52	s	IC VP16V8E-VN01331
ICB12	8-759-004-82	s	IC MC74HCT534N
ICB13	8-759-203-43	s	IC TC74HC534P
ICB14	8-759-112-37	s	IC UPD41101C-3
ICB16	8-759-004-80	s	IC MC74HCT374N
ICB17	8-759-203-36	s	IC TC74HC374P
ICB21	8-759-004-80	s	IC MC74HCT374N
ICB22	8-759-112-37	s	IC UPD41101C-3
ICB26	8-759-902-40	s	IC SN74LS240N
ICB27	8-759-913-63	s	IC SN74ALS374N
ICB30	8-759-774-95	s	IC MB7124H-VN01241

(VN-01 BOARD, DVPC-1000)

#10701 TO 21899 (J)
#21001 TO 21099 (UC)
#11001 TO 21099 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICB31	8-759-774-95	s	IC MB7124H-VN01241
ICB32	8-759-774-95	s	IC MB7124H-VN01241
ICB33	8-759-912-48	s	IC SN74ALS874NT
ICC1	8-759-913-63	s	IC SN74ALS374N
ICC2	8-759-913-63	s	IC SN74ALS374N
ICC3	8-759-782-14	s	IC MB7138HSK-VN01351
ICC4	8-759-782-17	s	IC MB7138HSK-VN01341
ICC5	8-759-793-05	s	IC VP16V8E-VN01471
ICC13	8-759-004-82	s	IC MC74HCT534N
ICC14	8-759-112-37	s	IC UPD41101C-3
ICC16	8-759-004-80	s	IC MC74HCT374N
ICC17	8-759-203-36	s	IC TC74HC374P
ICC18	8-759-203-36	s	IC TC74HC374P
ICC20	8-759-203-36	s	IC TC74HC374P
ICC21	8-759-203-36	s	IC TC74HC374P
ICC22	8-759-900-32	s	IC SN74LS32N
ICC24	8-759-113-08	s	IC CXD1039G
ICC26	8-759-203-68	s	IC TC74HC4040P
ICC27	8-752-304-30	s	IC CX23043
ICC30	8-759-913-63	s	IC SN74ALS374N
ICC31	8-759-913-63	s	IC SN74ALS374N
ICC32	8-759-913-63	s	IC SN74ALS374N
ICD6	8-759-780-13	s	IC MB7226RA-VN01321
ICD7	8-759-780-13	s	IC MB7226RA-VN01321
ICD8	8-759-906-78	s	IC 74F399PC
ICD9	8-759-906-78	s	IC 74F399PC
ICD10	8-759-780-13	s	IC MB7226RA-VN01321
ICD11	8-759-780-13	s	IC MB7226RA-VN01321
ICD12	8-759-112-37	s	IC UPD41101C-3
ICD22	8-759-900-08	s	IC SN74LS08N
ICD23	8-759-203-36	s	IC TC74HC374P
ICD24	8-759-004-80	s	IC MC74HCT374N
ICD29	8-759-779-82	s	IC MBL8742H-VN011412
ICD32	8-759-900-08	s	IC SN74LS08N
ICE1	8-759-946-64	s	IC SN74ALS04ABN
ICE2	8-759-112-37	s	IC UPD41101C-3
ICE3	8-759-782-14	s	IC MB7138HSK-VN01351
ICE4	8-759-782-17	s	IC MB7138HSK-VN01341
ICE5	8-759-793-05	s	IC VP16V8E-VN01471
ICE6	8-759-794-74	s	IC PAL16R8B-VN01061
ICE7	8-759-004-80	s	IC MC74HCT374N
ICE8	8-759-203-36	s	IC TC74HC374P
ICE9	8-759-794-72	s	IC PAL16R6B-VN01041
ICE10	8-759-004-80	s	IC MC74HCT374N
ICE12	8-759-004-80	s	IC MC74HCT374N
ICE14	8-759-917-83	s	IC 74F353PC
ICE16	8-759-112-37	s	IC UPD41101C-3
ICE17	8-759-906-76	s	IC 74F283PC
ICE18	8-759-904-85	s	IC 74F253PC
ICE20	8-759-906-76	s	IC 74F283PC
ICE25	8-759-794-10	s	IC VP16V8E-VN01253
ICE26	8-759-740-89	s	IC MB7138HSK-VN01422
ICE27	8-759-789-19	s	IC MB7138HSK-VN01412
ICE30	8-759-912-30	s	IC SN74ALS640AN
ICE31	8-759-912-12	s	IC SN74ALS240AN
ICE32	8-759-203-61	s	IC TC74HC688P
ICE33	8-759-912-12	s	IC SN74ALS240AN
ICF1	8-759-902-21	s	IC SN74LS221N
ICF2	8-759-202-32	s	IC TC74HC163P
ICF3	8-759-913-63	s	IC SN74ALS374N
ICF4	8-759-913-63	s	IC SN74ALS374N
ICF5	8-759-906-78	s	IC 74F399PC
ICF6	8-759-780-13	s	IC MB7226RA-VN01321
ICF7	8-759-780-13	s	IC MB7226RA-VN01321
ICF8	8-759-794-72	s	IC PAL16R6B-VN01041
ICF9	8-759-004-80	s	IC MC74HCT374N
ICF10	8-759-780-13	s	IC MB7226RA-VN01321
ICF11	8-759-780-13	s	IC MB7226RA-VN01321
ICF12	8-759-203-36	s	IC TC74HC374P
ICF13	8-759-906-76	s	IC 74F283PC

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(VN-01 BOARD, DVPC-1000)

#10701 TO 21899 (J)
#21001 TO 21099 (UC)
#11001 TO 21099 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICF14	8-759-917-83	s	IC 74F353PC
ICF16	8-759-906-76	s	IC 74F283PC
ICF17	8-759-906-76	s	IC 74F283PC
ICF18	8-759-904-85	s	IC 74F253PC
ICF20	8-759-906-76	s	IC 74F283PC
ICF21	8-759-780-17	s	IC MB7232RA-VN01361
ICF23	8-759-780-16	s	IC MB7232RA-VN01371
ICF24	8-759-780-17	s	IC MB7232RA-VN01361
ICF25	8-759-913-63	s	IC SN74ALS374N
ICF26	8-759-793-01	s	IC VP16V8E-VN01451
ICF27	8-759-793-03	s	IC VP16V8E-VN01441
ICF28	8-759-103-88	s	IC UPD82C43CY
ICF29	8-759-103-88	s	IC UPD82C43CY
ICF30	8-759-004-82	s	IC MC74HCT534N
ICF31	8-759-300-25	s	IC HD10125
ICF32	8-759-926-32	s	IC AM26LS32PC
ICG2	8-759-202-55	s	IC TC74HC244P
ICG3	8-759-913-63	s	IC SN74ALS374N
ICG4	8-759-913-63	s	IC SN74ALS374N
ICG5	8-759-904-33	s	IC SN74ALS20AN
ICG13	8-759-906-76	s	IC 74F283PC
ICG14	8-759-917-83	s	IC 74F353PC
ICG16	8-759-906-76	s	IC 74F283PC
ICG17	8-759-906-76	s	IC 74F283PC
ICG18	8-759-904-85	s	IC 74F253PC
ICG20	8-759-906-76	s	IC 74F283PC
ICG21	8-759-112-37	s	IC UPD41101C-3
ICG23	8-759-112-37	s	IC UPD41101C-3
ICG24	8-759-112-37	s	IC UPD41101C-3
ICG25	8-759-791-51	s	IC VP16V8E-VN01431
ICG26	8-759-004-80	s	IC MC74HCT374N
ICG27	8-759-004-80	s	IC MC74HCT374N
ICG28	8-759-913-63	s	IC SN74ALS374N
ICG29	8-759-913-63	s	IC SN74ALS374N
ICG30	8-759-904-87	s	IC 74F374PC
ICG31	8-759-301-24	s	IC HD10124
ICH2	8-759-202-55	s	IC TC74HC244P
ICH3	8-759-203-68	s	IC TC74HC4040P
ICH5	8-759-913-63	s	IC SN74ALS374N
ICH6	8-759-918-39	s	IC CX20167
ICH7	8-759-791-52	s	IC VP16V8E-VN01331
ICH8	8-759-791-52	s	IC VP16V8E-VN01331
ICH9	8-759-918-39	s	IC CX20167
ICH10	8-759-791-52	s	IC VP16V8E-VN01331
ICH11	8-759-791-52	s	IC VP16V8E-VN01331
ICH12	8-759-203-36	s	IC TC74HC374P
ICH13	8-759-906-76	s	IC 74F283PC
ICH14	8-759-917-83	s	IC 74F353PC
ICH16	8-759-906-76	s	IC 74F283PC
ICH17	8-759-906-76	s	IC 74F283PC
ICH18	8-759-904-85	s	IC 74F253PC
ICH20	8-759-906-76	s	IC 74F283PC
ICH23	8-759-203-36	s	IC TC74HC374P
ICH24	8-759-004-80	s	IC MC74HCT374N
ICH26	8-759-904-18	s	IC SN74ALS00AN
ICH27	8-759-904-26	s	IC SN74ALS08N
ICH28	8-759-112-37	s	IC UPD41101C-3
ICH29	8-759-112-37	s	IC UPD41101C-3
ICH30	8-759-904-80	s	IC 74F04PC
ICH31	8-759-301-24	s	IC HD10124
ICJ2	8-759-202-55	s	IC TC74HC244P
ICJ4	8-759-774-06	s	IC MB7132HSK-VN01131
ICJ6	8-759-774-41	s	IC MB7232RA-VN01021
ICJ7	8-759-913-63	s	IC SN74ALS374N
ICJ8	8-759-903-92	s	IC SN74LS682N
ICJ9	8-759-774-41	s	IC MB7232RA-VN01021
ICJ10	8-759-913-63	s	IC SN74ALS374N
ICJ11	8-759-903-92	s	IC SN74LS682N
ICJ12	8-759-203-36	s	IC TC74HC374P
ICJ13	8-759-936-57	s	IC SN74ALS251N

(VN-01 BOARD, DVPC-1000)

#10701 TO 21899 (J)
#21001 TO 21099 (UC)
#11001 TO 21099 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICJ14	8-759-004-82	s	IC MC74HCT534N
ICJ16	8-759-936-57	s	IC SN74ALS251N
ICJ17	8-759-936-57	s	IC SN74ALS251N
ICJ18	8-759-203-36	s	IC TC74HC374P
ICJ20	8-759-936-57	s	IC SN74ALS251N
ICJ21	8-759-004-80	s	IC MC74HCT374N
ICJ22	8-759-004-80	s	IC MC74HCT374N
ICJ23	8-759-004-80	s	IC MC74HCT374N
ICJ24	8-759-203-36	s	IC TC74HC374P
ICJ25	8-759-900-04	s	IC SN74LS04N
ICJ26	8-759-904-48	s	IC SN74LS109N
ICJ27	8-759-900-00	s	IC SN74LS00N
ICJ30	8-759-902-40	s	IC SN74LS240N
ICJ31	8-759-301-24	s	IC HD10124
ICK3	8-759-202-55	s	IC TC74HC244P
ICK12	8-759-112-37	s	IC UPD41101C-3
ICK13	8-759-936-57	s	IC SN74ALS251N
ICK14	8-759-904-88	s	IC 74F534PC
ICK16	8-759-936-57	s	IC SN74ALS251N
ICK17	8-759-936-57	s	IC SN74ALS251N
ICK18	8-759-913-63	s	IC SN74ALS374N
ICK20	8-759-936-57	s	IC SN74ALS251N
ICK25	8-759-202-55	s	IC TC74HC244P
ICK26	8-759-202-55	s	IC TC74HC244P
ICK27	8-759-774-47	s	IC MB7128H-VN01211
ICK28	8-759-904-87	s	IC 74F374PC
ICK29	8-759-913-63	s	IC SN74ALS374N
ICK31	8-759-301-24	s	IC HD10124
ICL1	8-752-304-30	s	IC CX23043
ICL2	8-752-304-30	s	IC CX23043
ICL3	8-759-946-64	s	IC SN74ALS04BN
ICL4	8-759-913-63	s	IC SN74ALS374N
ICL5	8-759-774-93	s	IC MB7124H-VN01121
ICL6	8-759-112-37	s	IC UPD41101C-3
ICL7	8-759-774-93	s	IC MB7124H-VN01121
ICL8	8-759-906-78	s	IC 74F399PC
ICL9	8-759-906-78	s	IC 74F399PC
ICL10	8-759-913-63	s	IC SN74ALS374N
ICL12	8-759-203-43	s	IC TC74HC534P
ICL13	8-759-936-57	s	IC SN74ALS251N
ICL14	8-759-004-80	s	IC MC74HCT374N
ICL16	8-759-936-57	s	IC SN74ALS251N
ICL17	8-759-936-57	s	IC SN74ALS251N
ICL18	8-759-004-80	s	IC MC74HCT374N
ICL20	8-759-936-57	s	IC SN74ALS251N
ICL21	8-759-004-80	s	IC MC74HCT374N
ICL22	8-759-780-15	s	IC MB7134H-VN01401
ICL23	8-759-780-12	s	IC MB7134H-VN01381
ICL24	8-759-780-14	s	IC MB7134H-VN01391
ICL28	8-759-913-63	s	IC SN74ALS374N
ICL29	8-759-913-63	s	IC SN74ALS374N
ICL30	8-759-904-80	s	IC 74F04PC
ICL31	8-759-301-24	s	IC HD10124
ICM2	8-752-304-30	s	IC CX23043
ICM3	8-759-794-77	s	IC PAL16R8B-VN01462
ICM4	8-759-789-67	s	IC MB7114H-VN01481
ICM5	8-759-203-36	s	IC TC74HC374P
ICM6	8-759-203-36	s	IC TC74HC374P
ICM7	8-759-004-80	s	IC MC74HCT374N
ICM8	8-759-902-40	s	IC SN74LS240N
ICM9	8-759-913-63	s	IC SN74ALS374N
ICM10	8-759-774-06	s	IC MB7132HSK-VN01131
ICM13	8-759-936-57	s	IC SN74ALS251N
ICM16	8-759-936-57	s	IC SN74ALS251N
ICM17	8-759-936-57	s	IC SN74ALS251N
ICM20	8-759-936-57	s	IC SN74ALS251N
ICM21	8-759-004-80	s	IC MC74HCT374N
ICM22	8-759-913-63	s	IC SN74ALS374N
ICM23	8-759-913-63	s	IC SN74ALS374N
ICM24	8-759-913-63	s	IC SN74ALS374N
ICM26	8-759-937-27	s	IC CXB1001G

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(VN-01 BOARD, DVPC-1000)

#10701 TO 21899 (J)
#21001 TO 21099 (UC)
#11001 TO 21099 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICM30	8-759-913-63	s	IC SN74ALS374N
ICM31	8-759-913-63	s	IC SN74ALS374N
ICM32	8-759-913-63	s	IC SN74ALS374N
JS1	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS8	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS11	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
L1	1-421-370-00	s	COIL, CHOKE
L2	1-421-370-00	s	COIL, CHOKE
L3	1-421-370-00	s	COIL, CHOKE
L4	1-421-370-00	s	COIL, CHOKE
L5	1-421-370-00	s	COIL, CHOKE
RB1	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB2	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB3	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB4	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB5	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB6	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB7	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB8	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB9	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB10	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB11	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB12	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB13	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB14	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB15	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB16	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB17	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB18	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB19	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB20	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB21	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB22	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB23	1-235-452-11	s	RESISTOR BLOCK, 330X4
RB24	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB25	1-231-410-00	s	RESISTOR BLOCK, 10KX8
S1	1-570-623-11	s	SWITCH, DIP 4CKT
S2	1-570-623-11	s	SWITCH, DIP 4CKT
S3	1-553-925-00	s	SWITCH, ROTARY
S4	1-553-925-00	s	SWITCH, ROTARY
S5	1-553-925-00	s	SWITCH, ROTARY
X1	1-527-828-00	s	CRYSTAL 12.000MHz

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

FRAME, DVPC-1000

Ref. No. Q' ty	Part No.	SP	Description
1pc	1-938-521-13	s	FLAT CABLE ASSY, IVD-1 26P/20P Includes the following connectors. CN015F (to DP-60 board) CM753F (to MB-132 board)
1pc	1-939-069-11	s	FLAT CABLE ASSY, IVD-2 26P/26P Includes the following connectors. CN272F (to IV-14 board) CN401F (to DS-18 board)
1pc	1-938-520-13	s	CABLE ASSY,PSC-1 Includes the following connectors. CN273F (to IV-14 board) CN652F (DIGITAL VIDEO INPUT) CN653F (DIGITAL VIDEO OUTPUT) CN654F (DIGITAL VIDEO REFERENCE INPUT) CN661F (CN-B) CN662F (EXT TERMINAL;GPIB) CN751F (to MB-132 board) CN752F (to MB-132 board) #10001 to 21799 (J) #10001 to 20999 (UC) #10001 to 11199 (EK) CN001F (to SP-10 board) #21801 & UP (J) #21001 & UP (UC) #11201 & UP (EK) CN754F (to MB-132 board) CN755F (to MB-132 board)
1pc	1-943-545-11	s	FLAT CABLE ASSY, PIC-11 Includes the following connectors. CN752F (to MB-132 board) CN006F (to SP-10 board) #21801 & UP (J) #21001 & UP (UC) #11201 & UP (EK)
66pcs	1-535-375-11	o	TERMINAL, FASTEN
CN002F (to power supply)			
	1-561-072-00	o	HOUSING, 9P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN002F (to SP-10 board)			
	1-943-546-11	o	CABLE, CSI-11
	1-509-509-12	o	HOUSING, IL 8P
	1-560-298-11	o	TERMINAL, SOLDERESS #21801 & UP (J) #21001 & UP (UC) #11201 & UP (EK)
CN003F (to power supply)			
	1-561-073-00	o	HOUSING, 15P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN016F (to power supply)			
	1-562-849-11	o	HOUSING, 12P
	1-535-206-11	o	CONTACT, FEMALE
CN019F (to DP-60 board)			
	1-509-984-00	o	HOUSING, IL 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN022F (to MB-132 board)			
	1-509-984-00	o	HOUSING, IL 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN023F (to MB-132 board)			
	1-509-984-00	o	HOUSING, IL 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN024F (to MB-132 board)			
	1-509-984-00	o	HOUSING, IL 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN043F (to MB-132 board)			
	1-561-071-00	o	HOUSING, 6P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN045F (to MB-132 board)			
	1-562-849-11	o	HOUSING, 12P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN048F (to IV-14 board)			
	1-561-828-00	o	HOUSING, 3P
	1-535-206-11	o	CONTACT, FEMALE

(FRAME, DVPC-1000)

Ref. No. Q' ty	Part No.	SP	Description
CN049F (to IV-14 board)			
	1-561-071-00	o	HOUSING, 6P
	1-535-206-11	o	CONTACT, FEMALE
CN050F (to AT-45 board)			
	1-561-070-00	o	HOUSING, 4P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN206F (to PE-18 board)			
	1-562-147-11	o	HOUSING, 2P
	1-563-088-11	o	CONTACT, FEMALE AWG24-30
CN251F (to IV-14 board)			
	1-509-988-00	o	HOUSING, IL 8P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN252F (to IV-14 board)			
	1-509-989-00	o	HOUSING, IL 10P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN253F (to IV-14 board)			
	1-509-987-00	o	HOUSING, IL 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN254F (to IV-14 board)			
	1-509-987-00	o	HOUSING, IL 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN255F (to IV-14 board)			
	1-509-988-00	o	HOUSING, IL 8P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN256F (to IV-14 board)			
	1-509-988-00	o	HOUSING, IL 8P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN257F (to IV-14 board)			
	1-509-988-00	o	HOUSING, IL 8P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN258F (to IV-14 board)			
	1-509-987-00	o	HOUSING, IL 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN259F (to IV-14 board)			
	1-509-988-00	o	HOUSING, IL 8P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN260F (to IV-14 board)			
	1-509-987-00	o	HOUSING, IL 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN261F (to IV-14 board)			
	1-509-987-00	o	HOUSING, IL 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN262F (to IV-14 board)			
	1-509-984-00	o	HOUSING, IL 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN263F (to IV-14 board)			
	1-509-984-00	o	HOUSING, IL 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN264F (to IV-14 board)			
	1-561-056-11	o	HOUSING, IL 12P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN265F (to IV-14 board)			
	1-561-056-00	o	HOUSING, IL 12P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN266F (to IV-14 board)			
	1-509-984-00	o	HOUSING, IL 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN267F (to IV-14 board)			
	1-509-984-00	o	HOUSING, IL 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN268F (to IV-14 board)			
	1-509-984-00	o	HOUSING, IL 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28

(FRAME, DVPC-1000)

Ref. No. Q'ty	Part No.	SP	Description
CN269F (to IV-14 board)			
	1-509-984-00	o	HOUSING, IL 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN270F (to IV-14 board)			
	1-509-987-00	o	HOUSING, IL 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN271F (to IV-14 board)			
	1-509-987-00	o	HOUSING, IL 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN274F (to IV-14 board)			
	1-509-984-00	o	HOUSING, IL 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN301F (to AT-45 board)			
	1-509-987-00	o	HOUSING, IL 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN302F (to AT-45 board)			
	1-509-987-00	o	HOUSING, IL 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN303F (to AT-45 board)			
	1-509-988-00	o	HOUSING, IL 8P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN304F (to AT-45 board)			
	1-509-988-00	o	HOUSING, IL 8P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN305F (to AT-45 board)			
	1-509-984-00	o	HOUSING, IL 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN307F (to AT-45 board)			
	1-509-984-00	o	HOUSING, IL 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN308F (to AT-45 board)			
	1-509-984-00	o	HOUSING, IL 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN309F (to AT-45 board)			
	1-509-984-00	o	HOUSING, IL 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN310F (to AT-45 board)			
	1-509-984-00	o	HOUSING, IL 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN601F (ANALOG VIDEO R IN)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN602F (ANALOG VIDEO G IN)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN603F (ANALOG VIDEO B IN)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN604F (ANALOG VIDEO SYNC IN)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN605F (ANALOG VIDEO R IN)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN606F (ANALOG VIDEO G IN)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN607F (ANALOG VIDEO B IN)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN608F (ANALOG VIDEO SYNC IN)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN609F (ANALOG VIDEO R OUT1)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN610F (ANALOG VIDEO G OUT1)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN611F (ANALOG VIDEO B OUT1)			
	1-561-781-11	s	RECEP, BNC, FEMALE

(FRAME, DVPC-1000)

Ref. No. Q'ty	Part No.	SP	Description
CN612F (ANALOG VIDEO SYNC OUT1)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN613F (ANALOG VIDEO R OUT2)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN614F (ANALOG VIDEO G OUT2)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN615F (ANALOG VIDEO B OUT2)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN616F (ANALOG VIDEO SYNC OUT2)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN617F (PICTURE MONITOR OUT R)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN618F (PICTURE MONITOR OUT G)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN619F (PICTURE MONITOR OUT B)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN620F (PICTURE MONITOR OUT SYNC)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN621F (WFM IN)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN622F (WFM OUT)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN623F (SYNC OUT)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN624F (ANALOG REFERENCE IN)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN625F (ANALOG REFERENCE IN)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN626F (CF IN)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN627F (CF OUT)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN628F (SPARE 1) CN629F (SPARE 2) CN630F (SPARE 3)			
	1-561-781-11	s	RECEP, BNC, FEMALE #10001 to 21799 (J) #10001 to 20999 (UC) #10001 to 11199 (EK)
CN628F (SERIAL INTERFACE IN) CN629F (SERIAL INTERFACE OUT-1) CN630F (SERIAL INTERFACE OUT-2)			
	1-561-781-11	s	RECEP, BNC, FEMALE #21801 & UP (J) #21001 & UP (UC) #11201 & UP (EK)
CN631 (ANALOG AUDIO CH-1 IN)			
	1-509-184-51	s	RECEP, XLR 3P, FEMALE (for UC,EK)
	1-509-176-51	s	RECEP, XLR 3P, MALE (for J)
CN632 (ANALOG AUDIO CH-2 IN)			
	1-509-184-51	s	RECEP, XLR 3P, FEMALE (for UC,EK)
	1-509-176-51	s	RECEP, XLR 3P, MALE (for J)
CN633 (ANALOG AUDIO CH-3 IN)			
	1-509-184-51	s	RECEP, XLR 3P, FEMALE (for UC,EK)
	1-509-176-51	s	RECEP, XLR 3P, MALE (for J)
CN634 (ANALOG AUDIO CH-4 IN)			
	1-509-184-51	s	RECEP, XLR 3P, FEMALE (for UC,EK)
	1-509-176-51	s	RECEP, XLR 3P, MALE (for J)
CN635 (ANALOG AUDIO CH-1 OUT)			
	1-509-176-51	s	RECEP, XLR 3P, MALE (for UC,EK)
	1-509-184-51	s	RECEP, XLR 3P, FEMALE (for J)
CN636 (ANALOG AUDIO CH-2 OUT)			
	1-509-176-51	s	RECEP, XLR 3P, MALE (for UC,EK)
	1-509-184-51	s	RECEP, XLR 3P, FEMALE (for J)

Ref. No. Q'ty	Part No.	SP	Description
CN637 (ANALOG AUDIO CH-3 OUT)			
	1-509-176-51	s	RECEP, XLR 3P, MALE (for UC,EK)
	1-509-184-51	s	RECEP, XLR 3P, FEMALE (for J)
CN638 (ANALOG AUDIO CH-4 OUT)			
	1-509-176-51	s	RECEP, XLR 3P, MALE (for UC,EK)
	1-509-184-51	s	RECEP, XLR 3P, FEMALE (for J)
CN641 (DIGITAL AUDIO CH-1 IN)			
	1-509-184-51	s	RECEP, XLR 3P, FEMALE
CN642 (DIGITAL AUDIO CH-2 IN)			
	1-509-184-51	s	RECEP, XLR 3P, FEMALE
CN643 (DIGITAL AUDIO CH-3 IN)			
	1-509-184-51	s	RECEP, XLR 3P, FEMALE
CN644 (DIGITAL AUDIO CH-4 IN)			
	1-509-184-51	s	RECEP, XLR 3P, FEMALE
CN645 (DIGITAL AUDIO CH-1 OUT)			
	1-509-176-51	s	RECEP, XLR 3P, MALE
CN646 (DIGITAL AUDIO CH-2 OUT)			
	1-509-176-51	s	RECEP, XLR 3P, MALE
CN647 (DIGITAL AUDIO CH-3 OUT)			
	1-509-176-51	s	RECEP, XLR 3P, MALE
CN648 (DIGITAL AUDIO CH-4 OUT)			
	1-509-176-51	s	RECEP, XLR 3P, MALE
CN651F (CN-A)			
	1-563-819-11	s	CONNECTOR, D-SUB, 50P
	1-562-580-21	o	CONTACT, FEMALE AWG24-28
	1-563-968-21	o	CONTACT, FEMALE AWG18-22
CN671M (VIDEO ANALOG INPUT 2)			
	1-564-407-21	s	CONNECTOR, 12P
CN672F (VIDEO ANALOG OUTPUT 2)			
	1-562-160-21	s	CONNECTOR, 12P
CN757F (to MB-132 bosrd)			
	1-561-056-00	o	HOUSING, IL 12P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN759F (to MB-132 board)			
	1-561-056-00	o	HOUSING, IL 12P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN760F (to MB-132 board)			
	1-561-056-00	o	HOUSING, IL 12P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN762F (to MB-132 board)			
	1-561-056-00	o	HOUSING, IL 12P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN763F (to MB-132 board)			
	1-561-056-00	o	HOUSING, IL 12P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN764F (to MB-132 board)			
	1-509-989-00	o	HOUSING, IL 10P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN765F (to MB-132 board)			
	1-509-985-00	o	HOUSING, IL 4P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN770F (to MB-132 board)			
	1-509-987-00	o	HOUSING, IL 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN771F (to MB-132 board)			
	1-509-988-00	o	IL CONNECTOR 8P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN772F (to MB-132 board)			
	1-509-988-00	o	HOUSING, IL 8P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN773F (to MB-132 board)			
	1-509-987-00	o	HOUSING, IL 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28

Ref. No. Q'ty	Part No.	SP	Description
CN774F (to MB-132 board)			
	1-509-987-00	o	HOUSING, IL 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
M001	1-541-337-21	s	FAN, DC12V
M002	1-541-337-21	s	FAN, DC12V
M003	1-541-337-21	s	FAN, DC12V
R2	1-246-474-00	s	RES, CARBON 1.1K 5% 1/4W
R3	1-246-474-00	s	RES, CARBON 1.1K 5% 1/4W
R4	1-246-474-00	s	RES, CARBON 1.1K 5% 1/4W
R5	1-246-474-00	s	RES, CARBON 1.1K 5% 1/4W
R6	1-246-477-00	s	RES, CARBON 1.5K 5% 1/4W
R7	1-246-477-00	s	RES, CARBON 1.5K 5% 1/4W
R8	1-246-477-00	s	RES, CARBON 1.5K 5% 1/4W
R9	1-246-477-00	s	RES, CARBON 1.5K 5% 1/4W
S1	1-514-524-00	s	SWITCH, SLIDE
S2	1-514-524-00	s	SWITCH, SLIDE
S3	1-514-524-00	s	SWITCH, SLIDE
S4	1-514-524-00	s	SWITCH, SLIDE
S5	1-514-524-00	s	SWITCH, SLIDE
S6	1-570-052-11	s	SWITCH, PUSH, POWER

FRAME/POWER SUPPLY, DVPC-1000

Ref. No. Q' ty	Part No.	SP	Description
1pc (for UC,J)	⚠ 1-559-132-00	s	CORD, POWER 3P
1pc (for EK)	⚠ 1-556-371-00	s	CORD, POWER
1pc	1-413-285-12	o	POWER UNIT
(This unit includes the following parts.)			
1pc	9-992-537-01	s	FLAT CABLE ASSY, PST-001 Includes the following connectors. CN4F (to LE-51 board) CN63F (to TX-12 board)
CB1	⚠ 1-532-622-00	s	CIRCUIT BREAKER, AC250V 20A
CN1	1-536-876-11	o	TERMINAL 12P
CN2M	1-561-086-00	o	HOUSING, 9P
	1-561-068-00	o	CONTACT, MALE AWG14-20
CN3M	1-561-087-00	o	HOUSING, 15P
	1-561-068-00	o	CONTACT, MALE AWG14-20
CN6	⚠ 1-537-060-11	o	TERMINAL, 2P
CN7F	⚠ 1-561-828-00	o	HOUSING, 3P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN8F	1-509-987-00	o	HOUSING, IL 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN9F	1-509-988-00	o	HOUSING, IL 8P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN11F	⚠ 1-561-069-00	o	HOUSING, 2P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN12F	1-509-987-00	o	HOUSING, IL 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN16M	1-566-359-11	o	HOUSING, 12P
	1-561-068-00	o	CONTACT, MALE AWG22-28
CN51F	1-562-849-21	o	HOUSING, 12P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN52F	1-562-849-21	o	HOUSING, 12P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN53F	1-562-849-21	o	HOUSING, 12P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN54F	1-562-849-21	o	HOUSING, 12P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN55F	1-562-849-21	o	HOUSING, 12P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN56F	1-562-849-21	o	HOUSING, 12P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN57F	1-509-987-00	o	HOUSING, IL, 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN58F	1-509-987-00	o	HOUSING, IL, 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN59F	1-509-984-00	o	HOUSING, IL, 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN60F	1-509-985-00	o	HOUSING, IL, 4P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN61F	1-509-984-00	o	HOUSING, IL, 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN62F	1-509-984-00	o	HOUSING, IL, 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN64F	1-509-984-00	o	HOUSING, IL, 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN70F	1-561-828-00	o	HOUSING, 3P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN70M	1-564-070-11	o	HOUSING, 3P
	1-561-068-00	o	CONTACT, MALE AWG14-20

(FRAME/POWER SUPPLY, DVPC-1000)

Ref. No. Q' ty	Part No.	SP	Description
CN72F	⚠ 1-561-828-00	o	HOUSING, 3P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN72M	⚠ 1-564-070-11	o	HOUSING, 3P
	1-561-068-00	o	CONTACT, MALE AWG14-20
CN73F	⚠ 1-561-828-00	o	HOUSING, 3P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN73M	⚠ 1-564-070-11	o	HOUSING, 3P
	1-561-068-00	o	CONTACT, MALE AWG14-20
CN74F	⚠ 1-561-828-00	o	HOUSING, 3P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN74M	⚠ 1-564-070-11	o	HOUSING, 3P
	1-561-068-00	o	CONTACT, MALE AWG14-20
CN75F	⚠ 1-561-828-00	o	HOUSING, 3P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN75M	⚠ 1-564-070-11	o	HOUSING, 3P
	1-561-068-00	o	CONTACT, MALE AWG14-20
CN76F	⚠ 1-561-828-00	o	HOUSING, 3P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN76M	⚠ 1-564-070-11	o	HOUSING, 3P
	1-561-068-00	o	CONTACT, MALE AWG14-20
CN77F	⚠ 1-561-828-00	o	HOUSING, 3P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN77M	⚠ 1-564-070-11	o	HOUSING, 3P
	1-561-068-00	o	CONTACT, MALE AWG14-20
CN78F	⚠ 1-561-828-00	o	HOUSING, 3P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN78M	⚠ 1-564-070-11	o	HOUSING, 3P
	1-561-068-00	o	CONTACT, MALE AWG14-20
CP1	⚠ 1-101-534-00	s	CR PACK, R=120 C=0.1
CP2	⚠ 1-101-534-00	s	CR PACK, R=120 C=0.1
CP3	⚠ 1-101-534-00	s	CR PACK, R=120 C=0.1
D1	⚠ 9-988-388-01	s	DIODE FSM-30C4
LP1	⚠ 9-988-385-01	s	LINE FILTER 250V/15A
M1	⚠ 1-541-203-00	s	FAN, DC12V
M2	⚠ 1-541-203-00	s	FAN, DC12V
M3	⚠ 1-541-203-00	s	FAN, DC12V
PU1	⚠ 1-413-278-11	s	REGULATOR, SWITCHING +5V/1KW
PU2	⚠ 1-413-281-11	s	REGULATOR, SWITCHING −5V/60W
PU3	⚠ 1-413-279-11	s	REGULATOR, SWITCHING −18V/100W
PU4	⚠ 1-413-279-11	s	REGULATOR, SWITCHING +18V/100W
PU5	⚠ 1-413-280-11	s	REGULATOR, SWITCHING +12V/60W
R1	⚠ 9-988-386-01	s	RES, WIREWOUND 10 15W
R2	⚠ 9-988-387-01	s	RES, WIREWOUND 30 60W
RL1	⚠ 9-984-739-01	s	RELAY
RL2	⚠ 9-984-738-01	s	RELAY
S1	⚠ 1-552-060-00	s	SWITCH, ROCKER, VOLTAGE SELECTOR
S2	⚠ 1-552-060-00	s	SWITCH, ROCKER, VOLTAGE SELECTOR
S3	⚠ 1-552-060-00	s	SWITCH, ROCKER, VOLTAGE SELECTOR
S4	⚠ 1-552-060-00	s	SWITCH, ROCKER, VOLTAGE SELECTOR
S5	⚠ 1-552-060-00	s	SWITCH, ROCKER, VOLTAGE SELECTOR
S6	⚠ 1-552-060-00	s	SWITCH, ROCKER, VOLTAGE SELECTOR
S7	⚠ 1-552-060-00	s	SWITCH, ROCKER, VOLTAGE SELECTOR
S8	⚠ 1-552-060-00	s	SWITCH, ROCKER, VOLTAGE SELECTOR
S9	⚠ 1-570-258-32	s	SWITCH, THERMAL 70℃
T1	⚠ 1-448-387-13	s	TANSFOMER, POWER

ACCESSORIES SUPPLIED, DVPC-1000

Ref. No. Q' ty	Part No.	SP	Description
1pc	1-556-535-31	s	CN-B CABLE ASSY
1pc	1-559-042-12	s	CN-A CABLE ASSY, 1m
1pc	1-559-044-11	s	DIGITAL AUDIO CABLE ASSY
2pcs	1-559-043-11	s	DIGITAL VIDEO CABLE ASSY
1pc	A-6001-008-A	s	EXTENTION BOARD, EX-131

(This assembly includes the following parts.)

Ref. No. Q' ty	Part No.	SP	Description
1pc	A-6001-013-A	o	LEVER (RIGHT) ASSY, EJECT
1pc	A-6001-014-A	o	LEVER (LEFT) ASSY, EJECT
CN101M	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN104F	1-563-341-11	s	RECEP, DIN 96P, FEMALE
CN105F	1-563-339-11	o	RECEP, DIN 48P, FEMALE
CN106F	1-563-339-11	o	RECEP, DIN 48P, FEMALE
1pc	7-621-759-35	s	SCREW, +PSW, 2.6X5
21pcs	7-621-759-45	s	SCREW, +PSW, 2.6X6
4pcs	7-621-759-75	s	SCREW, +PSW, 2.6X10
6pcs	7-622-205-05	s	NUT M2 TYPE2
12pcs	7-628-253-40	s	SCREW, +PS2X10
4pcs	7-682-947-01	s	SCREW, +PSW3X6

Ref. No. Q' ty	Part No.	SP	Description
1pc	A-6001-009-A	o	ANGLE (R) ASSY, RACK

(This assembly includes the following parts.)

Ref. No. Q' ty	Part No.	SP	Description
1pc	3-648-409-00	o	HANDLE, (1)
2pcs	7-682-262-09	s	SCREW +K4X10

Ref. No. Q' ty	Part No.	SP	Description
1pc	A-6001-010-A	o	ANGLE (L) ASSY, RACK

(This assembly includes the following parts.)

Ref. No. Q' ty	Part No.	SP	Description
1pc	3-648-409-00	o	HANDLE, (1)
2pcs	7-682-262-09	s	SCREW +K4X10

OPTIONAL FIXTURE, DVPC-1000

Refer to Section D. "REPLACEABLE PARTS & OPTIONAL FIXTURE" of the DVR-1000 Maintenance Manual.

SECTION E
CHANGED PARTS

UP TO #10099 (DVPC-1000;J)
UP TO #10099 (DVPC-1000;UC)
UP TO #10099 (DVPC-1000;EK)

#10101 & UP (DVPC-1000;J)
#10101 & UP (DVPC-1000;UC)
#10101 & UP (DVPC-1000;EK)

DP-60 BOARD

C1,2,3,4,5,6,7	1-162-781-11	s	CAP,CERAMIC 0.022μF 5% 50V	1-161-379-00	s	CAP,CERAMIC 0.01μF 20% 25V

FM-09A/09B BOARD

C107	NOT IN USE			1-102-108-00	s	CAP,CERAMIC 150PF 10% 50V

IE-17 BOARD

ICA10	8-759-202-11	s	IC TC74HC00P	8-759-904-79	s	IC 74F00PC
R126	NOT IN USE			1-215-445-00	s	RES,METAL 10K 1% 1/6W

VA-45 BOARD

C133,233	NOT IN USE			1-107-042-00	s	CAP,MICA 2.2PF ±0.5PF 500V

UP TO #10199 (DVPC-1000;J)
UP TO #10199 (DVPC-1000;UC)
UP TO #10199 (DVPC-1000;EK)

#10201 & UP (DVPC-1000;J)
#10201 & UP (DVPC-1000;UC)
#10201 & UP (DVPC-1000;EK)

AA-29 BOARD

C524,624,724,824	1-109-547-00	s	CAP,MICA 330PF 5% 100V	1-103-721-00	s	CAP,STYROL 680PF 5% 50V
IC504	8-759-202-11	s	IC TC74HC00P	8-759-202-24	s	IC TC74HC86P
IC505	8-759-921-06	s	IC PCM53JP-I	8-759-923-89	s	IC PCM53KP-V-S
IC604	8-759-202-11	s	IC TC74HC00P	8-759-202-24	s	IC TC74HC86P
IC605	8-759-921-06	s	IC PCM53JP-I	8-759-923-89	s	IC PCM53KP-V-S
IC704	8-759-202-11	s	IC TC74HC00P	8-759-202-24	s	IC TC74HC86P
IC705	8-759-921-06	s	IC PCM53JP-I	8-759-923-89	s	IC PCM53KP-V-S
IC804	8-759-202-11	s	IC TC74HC00P	8-759-202-24	s	IC TC74HC86P
IC805	8-759-921-06	s	IC PCM53JP-I	8-759-923-89	s	IC PCM53KP-V-S
JP101,102,201,202, 301,302,401,402	1-560-733-00	s	PIN,SHORT	CN111,112,211,212,311,312,411,412		
R544	1-215-421-00	s	RES,METAL 1K 1% 1/6W	1-215-409-00	s	RES,METAL 330 1% 1/6W
R566	NOT IN USE			1-215-433-00	s	RES,METAL 3.3K 1% 1/6W
R644	1-215-421-00	s	RES,METAL 1K 1% 1/6W	1-215-409-00	s	RES,METAL 330 1% 1/6W
R666	NOT IN USE			1-215-433-00	s	RES,METAL 3.3K 1% 1/6W
R744	1-215-421-00	s	RES,METAL 1K 1% 1/6W	1-215-409-00	s	RES,METAL 330 1% 1/6W
R766	NOT IN USE			1-215-433-00	s	RES,METAL 3.3K 1% 1/6W
R844	1-215-421-00	s	RES,METAL 1K 1% 1/6W	1-215-409-00	s	RES,METAL 330 1% 1/6W
R866	NOT IN USE			1-215-433-00	s	RES,METAL 3.3K 1% 1/6W
RV504,604,704,804	1-230-749-11	s	RES,VAR,CERMET 5K	1-230-747-11	s	RES,VAR,CERMET 1K

AP-14 BOARD

JP1	1-560-733-00	s	PIN,SHORT	CN1		

CHANGED PARTS

	UP TO #10199 (DVPC-1000;J) UP TO #10199 (DVPC-1000;UC) UP TO #10199 (DVPC-1000;EK)			#10201 & UP (DVPC-1000;J) #10201 & UP (DVPC-1000;UC) #10201 & UP (DVPC-1000;EK)		
AU-86 BOARD						
C113, 114, 115, 116	1-102-114-00	s	CAP, CERAMIC 470PF 10% 50V	1-162-761-11	s	CAP, CERAMIC 470PF 5% 50V
JP1	1-560-733-00	s	PIN, SHORT	CN1		
TG-28 BOARD						
R178, 179, 180, 181, 182, 183, 184, 185, 186, 187	NOT IN USE			1-215-445-00	s	RES, METAL 10K 1% 1/6W
VA-45 BOARD						
C636, 637	NOT IN USE			1-162-781-11	s	CAP, CERAMIC 0.022 μF 5% 50V
CN29	NOT IN USE			1-560-733-00	s	PIN, SHORT
IC610	NOT IN USE			8-749-936-61	s	IC BX366A
IC901	NOT IN USE			8-759-918-33	s	IC CX20160
ICD4	8-759-902-40	s	IC SN74LS240N	8-759-904-87	s	IC 74F374PC
ICE3	8-759-904-87	s	IC 74F374PC	8-759-903-74	s	IC SN74LS374N
ICE4	NOT IN USE			8-729-903-74	s	IC SN74LS374N
ICG3	8-759-904-87	s	IC 74F374PC	8-759-903-74	s	IC SN74LS374N
ICG4	NOT IN USE			8-729-903-74	s	IC SN74LS374N
ICH3	8-759-918-33	s	IC CX20160	8-759-903-74	s	IC SN74LS374N
JP1, 2, 3, 4	1-560-733-00	s	PIN, SHORT	DELETED		
JP5-40, 601, 602	1-560-733-00	s	PIN, SHORT	CN5-40, 601, 602		
JS601	1-561-832-00	s	SOCKET, SHORT	DELETED		
Q706, 707	NOT IN USE			8-729-600-60	s	TRANSISTOR 2SA1115P
R148, 149, 248, 249	1-215-409-00	s	RES, METAL 330 1% 1/6W	1-215-411-00	s	RES, METAL 390 1% 1/6W
R348	1-215-409-00	s	RES, METAL 330 1% 1/6W	1-215-413-00	s	RES, METAL 470 1% 1/6W
R725, 726	NOT IN USE			1-215-445-00	s	RES, METAL 10K 1% 1/6W
R727, 728	NOT IN USE			1-215-405-00	s	RES, METAL 220 1% 1/6W
RV101	1-230-837-11	s	RES, VAR, METAL 100	1-224-934-00	s	RES, VAR, METAL 100
RV102	1-230-840-11	s	RES, VAR, METAL 1K	1-224-937-00	s	RES, VAR, METAL 1K
RV104, 105	1-230-837-11	s	RES, VAR, METAL 100	1-224-934-00	s	RES, VAR, METAL 100
RV106, 107	1-230-844-11	s	RES, VAR, METAL 20K	1-224-941-00	s	RES, VAR, METAL 20K
RV108	1-230-838-11	s	RES, VAR, METAL 200	1-224-934-00	s	RES, VAR, METAL 100
RV109	1-230-840-11	s	RES, VAR, METAL 1K	1-224-937-00	s	RES, VAR, METAL 1K
RV201	1-230-837-11	s	RES, VAR, METAL 100	1-224-934-00	s	RES, VAR, METAL 100
RV202	1-230-840-11	s	RES, VAR, METAL 1K	1-224-937-00	s	RES, VAR, METAL 1K
RV204, 205	1-230-837-11	s	RES, VAR, METAL 100	1-224-934-00	s	RES, VAR, METAL 100
RV206, 207	1-230-844-11	s	RES, VAR, METAL 20K	1-224-941-00	s	RES, VAR, METAL 20K
RV208	1-230-838-11	s	RES, VAR, METAL 200	1-224-934-00	s	RES, VAR, METAL 100
RV209	1-230-840-11	s	RES, VAR, METAL 1K	1-224-937-00	s	RES, VAR, METAL 1K
RV301	1-230-837-11	s	RES, VAR, METAL 100	1-224-934-00	s	RES, VAR, METAL 100
RV302	1-230-840-11	s	RES, VAR, METAL 1K	1-224-937-00	s	RES, VAR, METAL 1K
RV303	1-230-845-11	s	RES, VAR, METAL 50K	1-224-942-00	s	RES, VAR, METAL 50K
RV305	1-230-839-11	s	RES, VAR, METAL 500	1-224-936-00	s	RES, VAR, METAL 500
RV306	1-230-844-11	s	RES, VAR, METAL 20K	1-224-941-00	s	RES, VAR, METAL 20K
RV307	1-230-842-11	s	RES, VAR, METAL 5K	1-224-939-00	s	RES, VAR, METAL 5K
RV308	1-230-838-11	s	RES, VAR, METAL 200	1-224-934-00	s	RES, VAR, METAL 100
RV309	1-230-840-11	s	RES, VAR, METAL 1K	1-224-937-00	s	RES, VAR, METAL 1K

UP TO #10199 (DVPC-1000;J) UP TO #10199 (DVPC-1000;UC) UP TO #10199 (DVPC-1000;EK)	#10201 & UP (DVPC-1000;J) #10201 & UP (DVPC-1000;UC) #10201 & UP (DVPC-1000;EK)

(VA-45 BOARD)

RV401	1-230-840-11	s	RES,VAR,METAL 1K	1-224-937-00	s	RES,VAR,METAL 1K
RV403	1-230-844-11	s	RES,VAR,METAL 20K	1-224-941-00	s	RES,VAR,METAL 20K
RV404	1-230-840-11	s	RES,VAR,METAL 1K	1-224-937-00	s	RES,VAR,METAL 1K
RV501	1-230-840-11	s	RES,VAR,METAL 1K	1-224-937-00	s	RES,VAR,METAL 1K
RV503	1-230-844-11	s	RES,VAR,METAL 20K	1-224-941-00	s	RES,VAR,METAL 20K
RV504	1-230-839-11	s	RES,VAR,METAL 500	1-224-936-00	s	RES,VAR,METAL 500
RV601	1-230-840-11	s	RES,VAR,METAL 1K	1-224-937-00	s	RES,VAR,METAL 1K
RV603	1-230-844-11	s	RES,VAR,METAL 20K	1-224-941-00	s	RES,VAR,METAL 20K
RV604	1-230-838-11	s	RES,VAR,METAL 200	1-224-935-00	s	RES,VAR,METAL 200
RV605	1-230-837-11	s	RES,VAR,METAL 100	1-224-934-00	s	RES,VAR,METAL 100
RV606,702	1-230-838-11	s	RES,VAR,METAL 200	1-224-935-00	s	RES,VAR,METAL 200
RV703	1-230-840-11	s	RES,VAR,METAL 1K	1-224-937-00	s	RES,VAR,METAL 1K
RV704	1-230-840-00	s	RES,VAR,METAL 1K	1-224-935-00	s	RES,VAR,METAL 200
RV705	NOT IN USE			1-224-935-00	s	RES,VAR,METAL 200
RV801	1-230-840-11	s	RES,VAR,METAL 1K	1-224-937-00	s	RES,VAR,METAL 1K
RV802	1-230-842-11	s	RES,VAR,METAL 5K	1-224-939-00	s	RES,VAR,METAL 5K
RV831	1-230-840-11	s	RES,VAR,METAL 1K	1-224-937-00	s	RES,VAR,METAL 1K
RV832	1-230-842-11	s	RES,VAR,METAL 5K	1-224-939-00	s	RES,VAR,METAL 5K
RV861	1-230-838-11	s	RES,VAR,METAL 200	1-224-935-00	s	RES,VAR,METAL 200
RV862	1-230-842-11	s	RES,VAR,METAL 5K	1-224-939-00	s	RES,VAR,METAL 5K

VN-01 BOARD

ICJ24	8-759-790-32	s	IC VP16V8E-VN01191	8-759-791-39	s	IC VP16V8E-VN01192
ICL32	8-759-776-10	s	IC MB7138HSK-VN01261	8-759-778-71	s	IC MB7226HSK-VN01262

UP TO #10299 (DVPC-1000;J) UP TO #10299 (DVPC-1000;UC) UP TO #10299 (DVPC-1000;EK)	#10301 & UP (DVPC-1000;J) #10301 & UP (DVPC-1000;UC) #10301 & UP (DVPC-1000;EK)

AA-29 BOARD

C126,226,326,426	1-104-240-00	s	CAP,STYROL 0.001μF 5% 125V	1-104-302-00	s	CAP,STYROL 0.001μF 5% 50V
D104,204,304,404	NOT IN USE			8-719-815-55	s	DIODE 1S1555
R159,259,359,459	1-215-421-00	s	RES,METAL 1K 1% 1/6W	DELETED		
R531,532,631,632, 731,732,831,832	1-215-445-00	s	RES,METAL 10K 1% 1/6W	1-215-437-00	s	RES,METAL 4.7K 1% 1/6W

FM-09A/09B BOARD

ICG25	8-759-790-82	s	IC VP16V8E-FM09371	8-759-790-82	s	IC VP16V8E-FM09372

PG-13 BOARD

R29	NOT IN USE			1-215-445-00	s	RES,METAL 10K 1% 1/6W
RB27,28	NOT IN USE			1-231-410-00	s	RESISTOR BLOCK,10K×8

VA-45 BOARD

R725,726	1-215-445-00	s	RES,METAL 10K 1% 1/6W	1-215-433-00	s	RES,METAL 3.3K 1% 1/6W
R727,728	1-215-405-11	s	RES,METAL 220 1% 1/6W	1-215-429-00	s	RES,METAL 2.2K 1% 1/6W

CHANGED PARTS

UP TO #10399 (DVPC-1000;J) UP TO #10399 (DVPC-1000;UC) UP TO #10399 (DVPC-1000;EK)	#10401 & UP (DVPC-1000;J) #10401 & UP (DVPC-1000;UC) #10401 & UP (DVPC-1000;EK)

TG-28 BOARD

R177	1-215-421-00	s	RES, METAL 1K 1% 1/6W	DELETED		

UP TO #10499 (DVPC-1000;J) UP TO #10499 (DVPC-1000;UC) UP TO #10499 (DVPC-1000;EK)	#10501 & UP (DVPC-1000;J) #10501 & UP (DVPC-1000;UC) #10501 & UP (DVPC-1000;EK)

AA-29 BOARD

R150, 250, 350, 450	1-215-437-00	s	RES, METAL 4.7K 1% 1/6W	1-215-442-00	s	RES, METAL 7.5K 1% 1/6W
R153, 253, 353, 453	1-215-437-00	s	RES, METAL 4.7K 1% 1/6W	1-215-413-00	s	RES, METAL 470 1% 1/6W
R161, 261, 361, 461	1-215-421-00	s	RES, METAL 1.0K 1% 1/6W	1-215-414-00	s	RES, METAL 510 1% 1/6W

FM-09A/09B BOARD

ICG25	8-759-790-82	s	IC VP16V8E-FM09371	8-759-790-82	s	IC VP16V8E-FM09372
ICJ14	PENDING	s	IC MBL8749H-FM090215	PENDING	s	IC MBL8749H-FM090216

IV-14 BOARD

RV1, 2	1-230-840-11	s	RES, VAR, METAL 1K	1-224-937-00	s	RES, VAR, METAL 1K
RV3, 4	1-230-842-11	s	RES, VAR, METAL 5K	1-224-939-00	s	RES, VAR, METAL 5K
RV5	1-230-839-11	s	RES, VAR, METAL 500	1-224-936-00	s	RES, VAR, METAL 500
RV6	1-230-845-11	s	RES, VAR, METAL 50K	1-224-942-00	s	RES, VAR, METAL 50K
RV7, 8, 9, 10, 11, 12	1-230-840-11	s	RES, VAR, METAL 1K	1-224-937-00	s	RES, VAR, METAL 1K
RV13, 14	1-230-839-11	s	RES, VAR, METAL 500	1-224-936-00	s	RES, VAR, METAL 500
RV15, 16, 17, 18, 19, 20, 21, 22	1-230-840-11	s	RES, VAR, METAL 1K	1-224-937-00	s	RES, VAR, METAL 1K
RV23, 24, 25, 26, 27, 28, 29 30, 31, 32, 33, 34, 39	1-230-838-11	s	RES, VAR, METAL 200	1-224-935-00	s	RES, VAR, METAL 200

PG-13 BOARD

ICC12	8-759-778-92	s	IC MB7226RA-PG13013	8-759-779-55	s	IC MB7226RA-PG13014

UP TO #10499 (DVPC-1000;J) UP TO #10599 (DVPC-1000;UC) UP TO #10599 (DVPC-1000;EK)	#10501 & UP (DVPC-1000;J) #10601 & UP (DVPC-1000;UC) #10601 & UP (DVPC-1000;EK)

AN-01 BOARD

ICB26	8-759-778-03	s	IC MBL8742H-AN013811	8-759-778-58	s	IC MBL8742H-AN013812

FM-09 BOARD

ICB24	8-759-791-30	s	IC VP16V8E-FM09432	8-759-791-66	s	IC VP16V8E-FM09433

IE-17 BOARD

R141	NOT IN USE			1-215-413-00	s	RES, METAL 470 1% 1/6W

UP TO #10499 (DVPC−1000;J) UP TO #10599 (DVPC−1000;UC) UP TO #10599 (DVPC−1000;EK)	#10501 & UP (DVPC−1000;J) #10601 & UP (DVPC−1000;UC) #10601 & UP (DVPC−1000;EK)

IV−14 BOARD

R412,413	NOT IN USE			1−215−417−00	s	RES, METAL 680 1% 1/6W
RV13,14	1−224−936−00	s	RES, VAR, METAL 500	1−230−749−11	s	RES, VAR, CERMET 5K
RV31,33	1−224−935−00	s	RES, VAR, METAL 200	1−230−746−11	s	RES, VAR, CERMET 500
RV32,34	1−224−935−00	s	RES, VAR, METAL 200	1−224−936−00	s	RES, VAR, METAL 500

VN−01 BOARD

ICJ27	8−759−775−37	s	IC MBM27C32−VN01221	8−759−780−49	s	IC MBM27C32−VN01222

UP TO #10599 (DVPC−1000;J) UP TO #10699 (DVPC−1000;UC) UP TO #10699 (DVPC−1000;EK)	#10601 & UP (DVPC−1000;J) #10701 & UP (DVPC−1000;UC) #10701 & UP (DVPC−1000;EK)

AU−86 BOARD

C119,120,121,122	NOT IN USE			1−161−467−00	s	CAP,CERAMIC 470PF 5% 50V

FM−09 BOARD

ICG13	8−759−939−50	s	IC AM2966PC	8−759−902−44	s	IC SN74LS244N

IV−14 BOARD

5pcs	7−628−254−10	s	SCREW, +PSW 2.6×6	DELETED		
8pcs	NOT IN USE			7−628−254−20	s	SCREW, +PSW 2.6×8

SY−70 BOARD

L11,12,13,14	NOT IN USE			1−410−312−11	s	INDUCTOR 0.22μH 20%
R115,215	1−215−445−00	s	RES, METAL 10K 1% 1/6W	DELETED		
R117,217	NOT IN USE			1−215−395−00	s	RES, METAL 82 1% 1/6W
RV8,9	NOT IN USE			1−230−838−11	s	RES, VAR, METAL 200

VE−12 BOARD

L7,8,9,10,11,12,13 14,15,16,17,18,19, 20,21,22,23,24	NOT IN USE			1−410−316−11	s	INDUCTOR 1μH 20%
R2,4,10,12,14,16,18,20 22,24,25,26,27,28,30 32,34,36	1−215−373−31	s	RES, METAL 10 1% 1/6W	DELETED		
R50,51,52,53,54,55 56,57,58,59,60,61 62,63,64,65,66,67	NOT IN USE			1−215−391−00	s	RES, METAL 56 1% 1/6W

VN−01 BOARD

R25	NOT IN USE			1−215−445−00	s	RES,METAL 10K 1% 1/6W

CHANGED PARTS

UP TO #10599 (DVPC−1000;J) UP TO #10899 (DVPC−1000;UC) UP TO #10899 (DVPC−1000;EK)	#10601 & UP (DVPC−1000;J) #10901 & UP (DVPC−1000;UC) #10901 & UP (DVPC−1000;EK)

AE−06 BOARD

1pc	A−6019−006−A	o	COMPLETE PCB, AE−06	A−6019−006−B	o	COMPLETE PCB, AE−06
CN1,2	NOT IN USE			1−560−733−00	s	PIN, SHORT
ICA17	8−759−777−49	s	IC MBL8742H−AE061010	8−759−779−83	s	IC MBL8742H−AE061011
ICA24	8−759−776−18	s	IC MBM27C64−AE06111	8−759−779−85	s	IC MBM27C512−AE06411
ICF23	8−759−775−04	s	IC MBM27C256−AE06121	8−759−780−44	s	IC 27C512−AE06422
ICJ9	8−759−790−05	s	IC VP16V8E−AE06231	8−759−791−42	s	IC VP16V8E−AE06531
ICK17	8−759−774−53	s	IC MB7118H−AE06071	8−759−779−86	s	IC MB7124H−AE06371
JP1	1−560−733−00	s	PIN, SHORT	DELETED		
RB30	NOT IN USE			1−231−533−00	s	RESISTOR BLOCK, 10K×4
S1	NOT IN USE			1−554−080−00	s	SWITCH, ROTARY

IF−139 BOARD

ICF4	8−759−779−95	s	IC MBM27C256−IF1390126	8−759−784−15	s	IC MBM27C256−IF1390128

VE−12 BOARD

C73	1−131−350−00	s	CAP, TANT 33μF 10% 35V	DELETED		
C74	1−107−049−00	s	CAP, MICA 8.2PF ±0.5PF 500V	DELETED		
ICE33	8−759−901−23	s	IC SN74LS123N	8−759−791−49	s	IC VP16V8E−VE12171
ICE34	8−759−901−74	s	IC SN74LS174N	8−759−791−48	s	IC VP16V8E−VE12161
R40	1−215−438−00	s	RES, METAL 5.1K 1% 1/6W	DELETED		
R41	1−215−474−00	s	RES, METAL 160K 1% 1/6W	DELETED		

UP TO #10699 (DVPC−1000;J) UP TO #20999 (DVPC−1000;UC) UP TO #10999 (DVPC−1000;EK)	#10701 & UP (DVPC−1000;J) #21001 & UP (DVPC−1000;UC) #11001 & UP (DVPC−1000;EK)

AA−29 BOARD

CN111,112,211,212 311,312,411,412	1−560−733−00	s	PIN,SHORT	1−566−385−11	s	PIN,CONNECTOR 2P
JS111,211,311,411	1−561−832−00	s	SOCKET,SHORT	1−563−859−11	s	PLUG,SHORT
R559,659,759,859	1−215−416−00	s	RES,METAL 620 1% 1/6W	1−215−413−00	s	RES,METAL 470 1% 1/6W

AE−06 BOARD

CN1,2	1−560−733−00	s	PIN,SHORT	1−566−385−11	s	PIN,CONNECTOR 2P

UP TO #10699 (DVPC-1000:J)
UP TO #20999 (DVPC-1000:UC)
UP TO #10999 (DVPC-1000:EK)

#10701 & UP (DVPC-1000:J)
#21001 & UP (DVPC-1000:UC)
#11001 & UP (DVPC-1000:EK)

AP-14 BOARD

CN1	1-560-733-00	s	PIN, SHORT	1-566-385-11	s	PIN, CONNECTOR 2P

AT-45 BOARD

JP101, 102, 201, 202, 301, 302, 401, 402	1-560-733-00	s	PIN, SHORT	1-566-385-11	s	PIN, CONNECTOR 2P
JS102, 202, 302, 402	1-561-832-00	s	SOCKET, SHORT	1-563-859-11	s	PLUG, SHORT

AU-86 BOARD

CN1, 2, 3	1-560-733-00	s	PIN, SHORT	1-566-385-11	s	PIN, CONNECTOR 2P
JS3	1-561-832-00	s	SOCKET, SHORT	1-563-859-11	s	PLUG, SHORT

FM-09 BOARD

CN3, 4	1-566-618-11	o	PIN, SHORT 20P	1-566-391-11	s	PIN, CONNECTOR 20P
CN5, 6, 7, 8, 10, 11 12, 13, 21, 22, 23	1-560-733-00	s	PIN, SHORT	1-566-385-11	s	PIN, CONNECTOR 2P
ICB2	8-759-775-28	s	IC MBM27C256-FM09041	8-759-782-30	s	IC MBM27C256-FM09042
ICB9	8-759-775-27	s	IC MBM27C256-FM09031	8-759-782-31	s	IC MBM27C256-FM09032
JS1, 2, 3, 4, 5 6, 7, 8, 9, 10	1-561-832-00	s	SOKET, SHORT	1-563-859-11	s	PLUG, SHORT

IV-14 BOARD

JP1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24	1-560-733-00	s	PIN, SHORT	1-566-385-11	s	PIN, CONNECTOR 2P
JS1, 4, 5, 7, 10, 11, 13 16, 17, 19, 22, 23	1-561-832-00	s	SOCKET, SHORT	1-563-859-11	s	PLUG, SHORT

PG-13 BOARD

CN1	1-560-733-00	s	PIN, SHORT	1-566-385-11	s	PIN, CONNECTOR 2P

CHANGED PARTS

UP TO #10699 (DVPC−1000;J)
UP TO #20999 (DVPC−1000;UC)
UP TO #10999 (DVPC−1000;EK)

#10701 & UP (DVPC−1000;J)
#21001 & UP (DVPC−1000;UC)
#11001 & UP (DVPC−1000;EK)

SY−70 BOARD

CN4	1−566−618−11	s	PIN, SHORT 20P	1−566−391−11	s	PIN, CONNECTOR 20P
CN5, 6, 7, 8, 10, 11, 12	1−560−733−00	s	PIN, SHORT	1−566−385−11	s	PIN, CONNECTOR 2P
JS1, 2, 3, 4, 5, 6, 7, 8, 9, 10	1−561−832−00	s	SOCKET, SHORT	1−563−859−11	s	PLUG, SHORT
ICB32	8−759−778−02	s	IC MBL8742H−SY700811	8−759−784−14	s	TC MBL8742H−SY700812

VA−45 BOARD

C5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40	1−560−733−00	s	PIN, SHORT	1−566−385−11	s	PIN, CONNECTOR 2P
ICE7	8−759−777−70	s	IC MB7138HSK−VA45083	8−759−783−57	s	IC MB7138HSK−VA45084
ICH5	8−759−774−05	s	IC MB7132HSK−VA45071	8−759−783−58	s	IC MB7138HSK−VA45091
ICH13	NOT IN USE			8−759−900−74	s	IC SN74LS74AN
JS6, 8, 10, 11, 14, 21, 23, 28, 30, 33, 38, 40	1−561−832−00	s	SOCKET, SHORT	1−563−859−11	s	PLUG, SHORT

VE−12 BOARD

C1, 2, 3, 4, 5	1−124−478−11	s	CAP, ELECT 100 20% 25V	1−124−236−00	s	CAP, ELECT 47µF 16V
CN1	1−560−733−00	s	PIN, SHORT	1−566−385−11	s	PIN, SHORT
CP7, 9, 11	8−759−107−45	s	IC µPA54HA	1−231−455−00	s	CR BLOCK, R=51, C=0.01
CP8, 10, 12	8−759−107−46	s	IC µPA64HA	1−231−455−00	s	CR BLOCK, R=51, C=0.01
CP17, 18, 19, 20	1−231−455−00	s	CR BLOCK, R=51, C=0.01	DELETED		
ICD34	8−759−904−79	s	IC 74F00PC	8−759−915−41	s	IC 74F02PC
ICJ39	NOT IN USE			8−759−793−06	s	IC VP16V8E−VE12181
R1, 3, 5, 6, 7, 8, 9, 11, 13, 15, 17, 19, 21, 23, 29, 31, 33, 35	1−215−373−31	s	RES, METAL 10 1% 1/6W	DELETED		
R2, 4, 10, 12, 14, 16, 18, 20, 22, 24, 25, 26, 27, 28, 30, 32, 34, 36	NOT IN USE			1−215−373−31	s	RES, METAL 10% 1/6W
R66, 67	1−215−391−00	s	RES, METAL 56 1% 1/6W	DELETED		
R68, 69	NOT IN USE			1−215−391−00	s	RES, METAL 56 1% 1/6W

UP TO #10799 (DVPC-1000;J)
UP TO #20999 (DVPC-1000;UC)
UP TO #11199 (DVPC-1000;EK)

#10801 & UP (DVPC-1000;J)
#21001 & UP (DVPC-1000;UC)
#11201 & UP (DVPC-1000;EK)

AT-45 BOARD

R1	1-247-727-11	s	RES, CARBON 10 5% 1/2W	1-249-478-11	s	RES, CARBON 2.2 5% 1/2W

CI-01 BOARD

ICA38	8-759-784-16	s	IC MBL8742H-CI013312	8-759-787-52	s	IC MBL8742H-CI013313
ICJ3, 12, 21, 30	8-759-793-16	s	IC VP16V8E-CI01382	8-759-794-66	s	IC PAL16R8B-CI01383
ICK2, 11, 20, 29	8-759-793-15	s	IC VP16V8E-CI01372	8-759-794-59	s	IC VP16V8E-CI01373

UP TO #10899 (DVPC-1000;J)
UP TO #20999 (DVPC-1000;UC)
UP TO #11199 (DVPC-1000;EK)

#10901 & UP (DVPC-1000;J)
#21001 & UP (DVPC-1000;UC)
#11201 & UP (DVPC-1000;EK)

IE-17 BOARD

ICK14, 15, 16, 17, 18, 19, 21, 21	8-752-322-13	s	IC CXK5416P-45	8-759-322-16	s	IC CXK5416P-45L

VN-01 BOARD

ICE27	8-759-782-15	s	IC MBM7138HSK-VN01411	8-759-789-19	s	IC MBM7138HSK-VN01412

UP TO #10999 (DVPC-1000;J)
UP TO #20999 (DVPC-1000;UC)
UP TO #11199 (DVPC-1000;EK)

#11001 & UP (DVPC-1000;J)
#21001 & UP (DVPC-1000;UC)
#11201 & UP (DVPC-1000;EK)

VN-01 BOARD

ICM4	8-759-776-30	s	IC MB7114H-VN01052	8-759-789-67	s	IC MB7114H-VN01481
JS11	NOT IN USE			1-565-413-11	s	RECEPTACLE CONNECTOR 2P

IF-139 BOARD

ICF6	8-752-321-06	s	IC CXK5864PN-12L	8-752-321-82	s	IC CXK5864AP-10L

VA-45 BOARD

ICD9	8-759-774-82	s	IC MB7138HSK-VA45031	8-759-780-97	s	MB7138HSK-VA45032

CHANGED PARTS

	UP TO #11099 (DVPC−1000;J) UP TO #20999 (DVPC−1000;UC) UP TO #11199 (DVPC−1000;EK)			#11101 & UP (DVPC−1000;J) #21001 & UP (DVPC−1000;UC) #11201 & UP (DVPC−1000;EK)		
AA−29 BOARD						
F1	1−532−926−12	s	FUSE, MICRO 10A	1−579−031−11	s	FUSE, MICRO 10A
AE−06 BOARD						
F1,2	1−532−926−12	s	FUSE, MICRO 10A	1−576−031−11	s	FUSE, MICRO 10A
ICA1	8−759−790−02	s	IC VP16V8E−AE06201	8−759−794−20	s	IC PAL16L8B−AE06201
ICE14	8−759−790−03	s	IC VP16V8E−AE06211	8−759−794−16	s	IC PAL16R8B−AE06211
ICE25	8−759−790−04	s	IC VP16V8E−AE06221	8−759−794−21	s	IC PAL16L8B−AE06221
ICJ9	8−759−791−42	s	IC VP16V8E−AE06531	8−759−794−18	s	IC PAL16R8B−AE06531
AN−01 BOARD						
F1,2	1−532−926−12	s	FUSE, MICRO 10A	1−576−031−11	s	FUSE, MICRO 10A
ICE17	8−759−790−97	s	IC VP16V8E−AN01281	8−759−793−92	s	IC PAL16R6B−AN01281
ICE18	8−759−790−97	s	IC VP16V8E−AN01281	8−759−793−92	s	IC PAL16R6B−AN01281
ICE19	8−759−790−97	s	IC VP16V8E−AN01281	8−759−793−92	s	IC PAL16R6B−AN01281
ICE20	8−759−790−97	s	IC VP16V8E−AN01281	8−759−793−92	s	IC PAL16R6B−AN01281
ICE23	8−759−790−99	s	IC VP16V8E−AN01301	8−759−793−93	s	IC PAL16R4B−AN01301
ICF22	8−759−790−99	s	IC VP16V8E−AN01301	8−759−793−93	s	IC PAL16R4B−AN01301
AP−14 BOARD						
F1,2	1−532−926−12	s	FUSE, MICRO 10A	1−576−031−11	s	FUSE, MICRO 10A
AU−86 BOARD						
F1	1−532−926−12	s	FUSE, MICRO 10A	1−576−031−11	s	FUSE, MICRO 10A
ICB24	8−759−904−14	s	IC SN74ALS04AN	8−759−946−64	s	IC SN74ALS04BN
ICA24	8−759−791−44	s	IC VP16V8E−AU86521	8−759−794−19	s	IC PAL16L8B−AU86521
ICF3	8−759−791−47	s	IC VP16V8E−AU86501	8−759−794−15	s	IC PAL16R8B−AU86501
ICF4	8−759−791−47	s	IC VP16V8E−AU86501	8−759−794−15	s	IC PAL16R8B−AU86501
ICF9	8−759−791−47	s	IC VP16V8E−AU86501	8−759−794−15	s	IC PAL16R8B−AU86501
ICF10	8−759−791−47	s	IC VP16V8E−AU86501	8−759−794−15	s	IC PAL16R8B−AU86501
CI−01 BOARD						
F1,2	1−532−926−12	s	FUSE, MICRO 10A	1−576−031−11	s	FUSE, MICRO 10A
ICF28	8−759−904−14	s	IC SN74ALS04AN	8−759−946−64	s	IC SN74ALS04BN
ICH29	8−759−904−14	s	IC SN74ALS04AN	8−759−946−64	s	IC SN74ALS04BN
ICA33	8−759−790−51	s	IC VP16V8E−CI01291	8−759−794−54	s	IC PAL16R4B−CI01291
ICA35	8−759−790−50	s	IC VP16V8E−CI01281	8−759−794−53	s	IC PAL16R8B−CI01281
ICC4	8−759−790−53	s	IC VP16V8E−CI01311	8−759−794−56	s	IC PAL16R8B−CI01311
ICC9	8−759−790−54	s	IC VP16V8E−CI01321	8−759−794−57	s	IC PAL16R8B−CI01321
ICD17	8−759−791−27	s	IC VP16V8E−CI01272	8−759−794−52	s	IC PAL16L8B−CI01272
ICD19	8−759−791−28	s	IC VP16V8E−CI01262	8−759−794−51	s	IC PAL16R8B−CI01262
ICE4	8−759−790−52	s	IC VP16V8E−CI01301	8−759−794−55	s	IC PAL16R8B−CI01301
ICF7	8−759−790−37	s	IC VP16V8E−CI01141	8−759−793−83	s	IC PAL16L8B−CI01141
ICF8	8−759−790−37	s	IC VP16V8E−CI01141	8−759−793−83	s	IC PAL16L8B−CI01141
ICF9	8−759−790−37	s	IC VP16V8E−CI01141	8−759−793−83	s	IC PAL16L8B−CI01141
ICF10	8−759−790−37	s	IC VP16V8E−CI01141	8−759−793−83	s	IC PAL16L8B−CI01141
ICF18	8−759−790−46	s	IC VP16V8E−CI01241	8−759−794−49	s	IC PAL16L8B−CI01241

	UP TO #11099 (DVPC-1000;J) UP TO #20999 (DVPC-1000;UC) UP TO #11199 (DVPC-1000;EK)			#11101 & UP (DVPC-1000;J) #21001 & UP (DVPC-1000;UC) #11201 & UP (DVPC-1000;EK)		
(CI-01 BOARD)						
ICH7	8-759-790-37	s	IC VP16V8E-CI01141	8-759-793-83	s	IC PAL16L8B-CI01141
ICH8	8-759-790-37	s	IC VP16V8E-CI01141	8-759-793-83	s	IC PAL16L8B-CI01141
ICH9	8-759-790-37	s	IC VP16V8E-CI01141	8-759-793-83	s	IC PAL16L8B-CI01141
ICH10	8-759-790-37	s	IC VP16V8E-CI01141	8-759-793-83	s	IC PAL16L8B-CI01141
ICH12	8-759-790-45	s	IC VP16V8E-CI01231	8-759-794-48	s	IC PAL16R6B-CI01231
ICH16	8-759-790-44	s	IC VP16V8E-CI01221	8-759-794-47	s	IC PAL16R6B-CI01221
ICH21	8-759-790-43	s	IC VP16V8E-CI01211	8-759-794-46	s	IC PAL16R6B-CI01211
ICH24	8-759-790-42	s	IC VP16V8E-CI01201	8-759-794-45	s	IC PAL16R6B-CI01201
DP-60 BOARD						
F1	1-532-926-12	s	FUSE, MICRO 10A	1-576-031-11	s	FUSE, MICRO 10A
FM-09 BOARD						
ICC12, 21	8-759-904-14	s	IC SN74ALS04AN	8-759-946-64	s	IC SN74ALS04BN
ICD2, 3, 4, 5, 6, 8, 9, 10, 11, 12	8-759-790-66	s	IC VP16V8E-FM09211	8-759-793-73	s	IC PAL16R6B-FM09211
F1, 2	1-532-926-12	s	FUSE, MICRO 10A	1-576-031-11	s	FUSE, MICRO 10A
ICA5	8-759-790-69	s	IC VP16V8E-FM09241	8-759-793-84	s	IC PAL16R8B-FM09241
ICA13	8-759-790-69	s	IC VP16V8E-FM09241	8-759-793-84	s	IC PAL16R8B-FM09241
ICA27	8-759-790-74	s	IC VP16V8E-FM09291	8-759-793-85	s	IC PAL16L8B-FM09291
ICB27	8-759-790-74	s	IC VP16V8E-FM09291	8-759-793-85	s	IC PAL16L8B-FM09291
ICD13	8-759-790-74	s	IC VP16V8E-FM09291	8-759-793-85	s	IC PAL16L8B-FM09291
IE-17 BOARD						
F1, 2	1-532-926-12	s	FUSE, MICRO 10A	1-576-031-11	s	FUSE, MICRO 10A
ICC10	8-759-790-22	s	IC VP16V8E-IE17131	8-759-793-89	s	IC PAL16L8B-IE17131
ICC14	8-759-790-23	s	IC VP16V8E-IE17161	8-759-793-90	s	IC PAL16R4B-IE17161
ICC15	8-759-790-23	s	IC VP16V8E-IE17161	8-759-793-90	s	IC PAL16R4B-IE17161
ICC22	8-759-791-77	s	IC VP16V8E-IE17191	8-759-794-12	s	IC PAL16R4B-IE17191
ICC24	8-759-791-77	s	IC VP16V8E-IE17191	8-759-794-12	s	IC PAL16R4B-IE17191
ICD10	8-759-790-22	s	IC VP16V8E-IE17131	8-759-793-89	s	IC PAL16L4B-IE17131
ICD12	8-759-790-23	s	IC VP16V8E-IE17161	8-759-793-90	s	IC PAL16R4B-IE17161
ICD13	8-759-790-23	s	IC VP16V8E-IE17161	8-759-793-90	s	IC PAL16R4B-IE17161
ICD22	8-759-791-77	s	IC VP16V8E-IE17191	8-759-794-12	s	IC PAL16R4B-IE17191
ICD24	8-759-791-77	s	IC VP16V8E-IE17191	8-759-794-12	s	IC PAL16R4B-IE17191
ICF10	8-759-790-22	s	IC VP16V8E-IE17131	8-759-793-89	s	IC PAL16L8B-IE17131
ICF14	8-759-790-23	s	IC VP16V8E-IE17161	8-759-793-90	s	IC PAL16R4B-IE17161
ICF15	8-759-790-23	s	IC VP16V8E-IE17161	8-759-793-90	s	IC PAL16R4B-IE17161
ICF22	8-759-791-77	s	IC VP16V8E-IE17191	8-759-794-12	s	IC PAL16R4B-IE17191
ICF24	8-759-791-77	s	IC VP16V8E-IE17191	8-759-794-12	s	IC PAL16R4B-IE17191
ICG10	8-759-790-22	s	IC VP16V8E-IE17131	8-759-793-89	s	IC PAL16L8B-IE17131
ICG12	8-759-790-23	s	IC VP16V8E-IE17161	8-759-793-90	s	IC PAL16R4B-IE17161
ICG13	8-759-790-23	s	IC VP16V8E-IE17161	8-759-793-90	s	IC PAL16R4B-IE17161
ICG22	8-759-791-77	s	IC VP16V8E-IE17191	8-759-794-12	s	IC PAL16R4B-IE17191
ICG24	8-759-791-77	s	IC VP16V8E-IE17191	8-759-794-12	s	IC PAL16R4B-IE17191
ICH14	8-759-790-24	s	IC VP16V8E-IE17181	8-759-793-91	s	IC PAL16L8B-IE17181
ICH15	8-759-790-24	s	IC VP16V8E-IE17181	8-759-793-91	s	IC PAL16L8B-IE17181
ICH16	8-759-790-24	s	IC VP16V8E-IE17181	8-759-793-91	s	IC PAL16L8B-IE17181
ICH17	8-759-790-24	s	IC VP16V8E-IE17181	8-759-793-91	s	IC PAL16L8B-IE17181
ICH18	8-759-790-24	s	IC VP16V8E-IE17181	8-759-793-91	s	IC PAL16L8B-IE17181
ICH19	8-759-790-24	s	IC VP16V8E-IE17181	8-759-793-91	s	IC PAL16L8B-IE17181
ICH20	8-759-790-24	s	IC VP16V8E-IE17181	8-759-793-91	s	IC PAL16L8B-IE17181
ICK1	8-759-790-17	s	IC VP16V8E-IE17021	8-759-793-88	s	IC PAL16L8B-IE17021
ICK2	8-759-790-18	s	IC VP16V8E-IE17061	8-759-794-24	s	IC PAL16L8B-IE17061
ICK3	8-759-790-17	s	IC VP16V8E-IE17021	8-759-793-88	s	IC PAL16L8B-IE17021
ICK4	8-759-790-20	s	IC VP16V8E-IE17081	8-759-794-26	s	IC PAL16L8B-IE17081
ICK22	8-759-790-24	s	IC VP16V8E-IE17181	8-759-793-91	s	IC PAL16L8B-IE17181

CHANGED PARTS

UP TO #11099 (DVPC−1000;J)
UP TO #20999 (DVPC−1000;UC)
UP TO #11199 (DVPC−1000;EK)

#11101 & UP (DVPC−1000;J)
#21001 & UP (DVPC−1000;UC)
#11201 & UP (DVPC−1000;EK)

(IE−17 BOARD)

ICL1	8−759−790−17	s	IC VP16V8E−IE17021	8−759−793−88	s	IC PAL16L8B−IE17021
ICL2	8−759−790−19	s	IC VP16V8E−IE17071	8−759−794−25	s	IC PAL16L8B−IE17071
ICL3	8−759−790−17	s	IC VP16V8E−IE17021	8−759−793−88	s	IC PAL16L8B−IE17021
ICL4	8−759−790−21	s	IC VP16V8E−IE17091	8−759−794−27	s	IC PAL16L8B−IE17091
ICL22	8−759−790−24	s	IC VP16V8E−IE17181	8−759−793−91	s	IC PAL16L8B−IE17181

IF−139 BOARD

F1	1−532−926−12	s	FUSE, MICRO 10A	1−576−031−11	s	FUSE, MICRO 10A

IV−14 BOARD

F1, 2, 3	1−532−926−12	s	FUSE, MICRO 10A	1−576−031−11	s	FUSE, MICRO 10A

PG−13 BOARD

F1	1−532−926−12	s	FUSE, MICRO 10A	1−576−031−11	s	FUSE, MICRO 10A

SY−70 BOARD

F1, 2	1−532−926−12	s	FUSE, MICRO 10A	1−576−031−11	s	FUSE, MICRO 10A
ICB3	8−759−904−14	s	IC SN74ALS04AN	8−759−946−64	s	IC SN74ALS04BN
ICG3	8−759−904−14	s	IC SN74ALS04AN	8−759−946−64	s	IC SN74ALS04BN
ICA15	8−759−777−43	s	IC VP16V8E−SY70132	8−759−794−38	s	IC PAL16R4B−SY70132
ICA24	8−759−790−64	s	IC VP16V8E−SY70181	8−759−794−42	s	IC PAL16L8B−SY70181
ICB1	8−759−790−61	s	IC VP16V8E−SY70151	8−759−793−97	s	IC PAL16R8B−SY70151
ICB2	8−759−791−32	s	IC VP16V8E−SY70143	8−759−794−39	s	IC PAL16R8B−SY70143
ICB13	8−759−777−45	s	IC VP16V8E−SY70122	8−759−794−37	s	IC PAL16L8B−SY70122
ICC10	8−759−790−57	s	IC VP16V8E−SY70111	8−759−793−96	s	IC PAL16R6B−SY70111
ICD10	8−759−790−55	s	IC VP16V8E−SY70091	8−759−793−94	s	IC PAL16R4B−SY70091
ICD11	8−759−790−56	s	IC VP16V8E−SY70101	8−759−793−95	s	IC PAL16R4B−SY70101
ICE19	8−759−790−62	s	IC VP16V8E−SY70161	8−759−794−40	s	IC PAL16R6B−SY70161
ICF9	8−759−790−65	s	IC VP16V8E−SY70191	8−759−794−43	s	IC PAL16R8B−SY70191
ICF15	8−759−777−43	s	IC VP16V8E−SY70132	8−759−794−38	s	IC PAL16R4B−SY70132
ICG1	8−759−790−61	s	IC VP16V8E−SY70151	8−759−793−97	s	IC PAL16R8B−SY70151
ICG2	8−759−791−32	s	IC VP16V8E−SY70143	8−759−794−39	s	IC PAL16R8B−SY70143
ICG13	8−759−777−45	s	IC VP16V8E−SY70122	8−759−794−37	s	IC PAL16L8B−SY70122
ICH10	8−759−790−57	s	IC VP16V8E−SY70111	8−759−793−96	s	IC PAL16R6B−SY70111
ICJ10	8−759−790−55	s	IC VP16V8E−SY70091	8−759−793−94	s	IC PAL16R4B−SY70091
ICJ11	8−759−790−56	s	IC VP16V8E−SY70101	8−759−793−95	s	IC PAL16R4B−SY70101
ICJ23	8−759−790−63	s	IC VP16V8E−SY70171	8−759−794−41	s	IC PAL16R6B−SY70171

TG−28 BOARD

F1, 2	1−532−926−12	s	FUSE, MICRO 10A	1−576−031−11	s	FUSE, MICRO 10A
ICC3	8−759−790−13	s	IC VP16V8E−TG28041	8−759−794−22	s	IC PAL16L8B−TG28041
ICD4	8−759−790−14	s	IC VP16V8E−TG28051	8−759−794−23	s	IC PAL16L8B−TG28051
ICD5	8−759−790−14	s	IC VP16V8E−TG28051	8−759−794−23	s	IC PAL16L8B−TG28051
ICF22	8−759−793−08	s	IC VP16V8E−TG28211	8−759−794−13	s	IC PAL16R6B−TG28211
ICH3	8−759−790−15	s	IC VP16V8E−TG28091	8−759−793−86	s	IC PAL16L8B−TG28091
ICH6	8−759−790−15	s	IC VP16V8E−TG28091	8−759−793−86	s	IC PAL16L8B−TG28091
ICH9	8−759−790−15	s	IC VP16V8E−TG28091	8−759−793−86	s	IC PAL16L8B−TG28091
ICH12	8−759−790−15	s	IC VP16V8E−TG28091	8−759−793−86	s	IC PAL16L8B−TG28091
ICL2	8−759−790−16	s	IC VP16V8E−TG28121	8−759−793−87	s	IC PAL16R6B−TG28121
ICL5	8−759−790−16	s	IC VP16V8E−TG28121	8−759−793−87	s	IC PAL16R6B−TG28121
ICL8	8−759−790−16	s	IC VP16V8E−TG28121	8−759−793−87	s	IC PAL16R6B−TG28121
ICL11	8−759−790−16	s	IC VP16V8E−TG28121	8−759−793−87	s	IC PAL16R6B−TG28121

UP TO #11099 (DVPC−1000;J) UP TO #20999 (DVPC−1000;UC) UP TO #11199 (DVPC−1000;EK)	#11101 & UP (DVPC−1000;J) #21001 & UP (DVPC−1000;UC) #11201 & UP (DVPC−1000;EK)

VA−45 BOARD

F1,801,802	1−532−926−12	s	FUSE, MICRO 10A	1−576−031−11	s	FUSE, MICRO 10A

VE−12 BOARD

F1,2	1−532−926−12	s	FUSE, MICRO 10A	1−576−031−11	s	FUSE, MICRO 10A
ICD1,3,5,6,7,9,11	8−759−790−25	s	IC VP16V8E−VE12021	8−759−793−72	s	IC PAL16L8B−VE12021
ICE1,3,5,6,7,9,11	8−759−790−25	s	IC VP16V8E−VE12021	8−759−793−72	s	IC PAL16L8B−VE12021

VN−01 BOARD

F1,2	1−532−926−12	s	FUSE, MICRO 10A	1−576−031−11	s	FUSE, MICRO 10A
ICE1	8−759−904−14	s	IC SN74ALS04AN	8−759−946−64	s	IC SN74ALS04BN
ICL3	8−759−904−14	s	IC SN74ALS04AN	8−759−946−64	s	IC SN74ALS04BN
ICE25	8−759−793−07	s	IC VP16V8E−VN01252	8−759−794−10	s	IC VP16V8E−VN01253

UP TO #11199 (DVPC−1000;J) UP TO #20999 (DVPC−1000;UC) UP TO #11199 (DVPC−1000;EK)	#11201 & UP (DVPC−1000;J) #21001 & UP (DVPC−1000;UC) #11201 & UP (DVPC−1000;EK)

VE−12 BOARD

ICA29	8−759−774−39	s	IC MB7232RA−VE12091	8−759−786−63	s	IC MB7232RA−VE12092
ICB29	8−759−774−39	s	IC MB7232RA−VE12091	8−759−786−63	s	IC MB7232RA−VE12092
ICC31	8−759−774−40	s	IC MB7232RA−VE12121	8−759−786−64	s	IC MB7232RA−VE12122

UP TO #11299 (DVPC−1000;J) UP TO #20999 (DVPC−1000;UC) UP TO #11199 (DVPC−1000;EK)	#21301 & UP (DVPC−1000;J) #21001 & UP (DVPC−1000;UC) #11201 & UP (DVPC−1000;EK)

AE−06 BOARD

ICG23	8−759−776−06	s	IC MBM27C256−AE06131	8−759−786−33	s	IC MBM27C256A−AE06131
ICG25	8−759−776−07	s	IC MBM27C256−AE06141	8−759−786−34	s	IC MBM27C256A−AE06141
ICJ4	8−759−775−05	s	IC MBM27C256−AE06161	8−759−787−54	s	IC MBM27C256A−AE06162
ICJ20	8−759−775−06	s	IC MBM27C256−AE06171	8−759−786−27	s	IC MBM27C256A−AE06171
ICJ22	8−759−775−07	s	IC MBM27C256−AE06181	8−759−787−55	s	IC MBM27C256A−AE06182

AN−01 BOARD

ICB26	8−759−784−17	s	IC MBL8742H−AN013816	8−759−983−37	s	IC MBL8742H−AN013817

AP−14 BOARD

ICD15,18	8−759−775−08	s	IC MBM27C256−AP14111	8−759−786−29	s	IC MBM27C256A−AP14111
ICF25	8−759−775−09	s	IC MBM27C256−AP14121	8−759−786−30	s	IC MBM27C256A−AP14121
ICK27	8−759−775−10	s	IC MBM27C256−AP14151	8−759−786−31	s	IC MBM27C256A−AP14151
ICK29	8−759−775−11	s	IC MBM27C256−AP14161	8−759−786−32	s	IC MBM27C256A−AP14161

CHANGED PARTS

UP TO #11299 (DVPC−1000;J)
UP TO #20999 (DVPC−1000;UC)
UP TO #11199 (DVPC−1000;EK)

#21301 & UP (DVPC−1000;J)
#21001 & UP (DVPC−1000;UC)
#11201 & UP (DVPC−1000;EK)

CI−01 BOARD

ICA38	8−759−787−52	s	IC MBL8742H−CI013313	8−759−983−36	s	IC MBL8742H−CI013314
ICE7	8−759−775−25	s	IC MBM27C256−CI01091	8−759−786−58	s	IC MBM27C256A−CI01091

FM−09 BOARD

ICA3	8−759−790−71	s	IC VP16V8E−FM09261	8−759−794−81	s	IC PAL16R4B−FM09261
ICA6	8−759−778−01	s	IC VP16V8E−FM09272	8−759−794−82	s	IC PAL16R4B−FM09272
ICA7	8−759−790−73	s	IC VP16V8E−FM09282	8−759−794−97	s	IC PAL16L8B−FM09282
ICA11	8−759−790−70	s	IC VP16V8E−FM09251	8−759−794−80	s	IC PAL16R4B−FM09251
ICA14	8−759−778−01	s	IC VP16V8E−FM09272	8−759−794−82	s	IC PAL16R4B−FM09272
ICA15	8−759−790−73	s	IC VP16V8E−FM09282	8−759−794−97	s	IC PAL16L8B−FM09282
ICB2	8−759−782−30	s	IC MBM27C256−FM09042	8−759−786−56	s	IC MBM27C256A−FM09042
ICB4,11	8−759−775−29	s	IC MBM27C256−FM09051	8−759−786−59	s	IC MBM27C256A−FM09051
ICB5,12	8−759−775−30	s	IC MBM27C256−FM09061	8−759−786−60	s	IC MBM27C256A−FM09061
ICB9	8−759−782−31	s	IC MBM27C256−FM09032	8−759−786−57	s	IC MBM27C256A−FM09032
ICB22	8−759−791−53	s	IC VP16V8E−FM09441	8−759−794−96	s	IC PAL16R6B−FM09441
ICB23	8−759−790−87	s	IC VP16V8E−FM09421	8−759−794−95	s	IC PAL16R6B−FM09421
ICB24	8−759−793−09	s	IC VP16V8E−FM09434	8−759−794−88	s	IC PAL16R4B−FM09434
ICB26	8−759−790−85	s	IC VP16V8E−FM09401	8−759−794−87	s	IC PAL16R4B−FM09401
ICC3	8−759−790−79	s	IC VP16V8E−FM09341	8−759−794−84	s	IC PAL16R4B−FM09341
ICC8	8−759−790−78	s	IC VP16V8E−FM09331	8−759−794−91	s	IC PAL16R6B−FM09331
ICE13	8−759−775−31	s	IC MBM27C256−FM09071	8−759−786−61	s	IC MBM27C256A−FM09071
ICE15	8−759−775−32	s	IC MBM27C256−FM09081	8−759−786−62	s	IC MBM27C256A−FM09081
ICF15	8−759−790−75	s	IC VP16V8E−FM09301	8−759−794−89	s	IC PAL16R6B−FM09301
ICF25	8−759−790−81	s	IC VP16V8E−FM09361	8−759−794−92	s	IC PAL16R6B−FM09361
ICG14	8−759−790−76	s	IC VP16V8E−FM09312	8−759−794−90	s	IC PAL16R6B−FM09312
ICG15	8−759−790−77	s	IC VP16V8E−FM09321	8−759−794−83	s	IC PAL16R4B−FM09321
ICG23	8−759−791−40	s	IC VP16V8E−FM09382	8−759−794−86	s	IC PAL16R4B−FM09382
ICG24	8−759−790−80	s	IC VP16V8E−FM09351	8−759−794−85	s	IC PAL16R4B−FM09351
ICG25	8−759−791−41	s	IC VP16V8E−FM09372	8−759−794−93	s	IC PAL16R6B−FM09372

IE−17 BOARD

ICL10	8−759−775−15	s	IC MBM27C256−IE17141	8−759−786−37	s	IC MBM27C256A−IE17141
ICL12	8−759−775−16	s	IC MBM27C256−IE17151	8−759−786−38	s	IC MBM27C256A−IE17151

IF−139 BOARD

ICF4	8−759−784−15	s	IC MBM27C256−IF1390128	8−759−786−48	s	IC MBM27C256A−IF1390129

IV−20 BOARD

C801,802,803	NOT IN USE			1−102−110−00	s	CAP, CERAMIC 220P 10% 50V
Q701,702	8−729−103−38	s	TRANSISTOR 2SA733−K	8−729−173−38	s	TRANSISTOR 2SA733−K
R1,52	1−205−621−11	s	RES,CERMET 2.7 5% 5W	1−205−901−11	s	RES,WIRE−WOUND 2.7 10% 5W
R801,802,803	NOT IN USE			1−215−405−00	s	RES, METAL 220 1% 1/6W

PG−13 BOARD

ICE12	8−759−777−00	s	IC MBM27C256−PG13081	8−759−786−47	s	IC MBM27C256A−PG13081

SY−70 BOARD

ICB13,G13	8−759−794−61	s	IC PAL16L8B−SY70123	8−759−795−91	s	IC PAL16L8B−SY70261
ICC14,H14	8−759−774−43	s	IC MB7232RA−SY70021	8−759−742−93	s	IC MB7232RA−SY70022

UP TO #11299 (DVPC-1000;J)
UP TO #20999 (DVPC-1000;UC)
UP TO #11199 (DVPC-1000;EK)

#21301 & UP (DVPC-1000;J)
#21001 & UP (DVPC-1000;UC)
#11201 & UP (DVPC-1000;EK)

TG-28 BOARD

ICE17	8-759-775-12	s	IC MBM27C256-TG28081	8-759-786-44	s	IC MBM27C256A-TG28081
ICK2, 5, 8, 11	8-759-775-14	s	IC MBM27C256-TG28111	8-759-786-46	s	IC MBM27C256A-TG28111
ICK3, 6, 9, 12	8-759-775-13	s	IC MBM27C256-TG28101	8-759-786-45	s	IC MBM27C256A-TG28101

VE-12 BOARD

ICB13	8-759-775-17	s	IC MBM27C256-VE12031	8-759-786-39	s	IC MBM27C256A-VE12031
ICB14	8-759-775-18	s	IC MBM27C256-VE12041	8-759-786-40	s	IC MBM27C256A-VE12041
ICB15	8-759-775-19	s	IC MBM27C256-VE12051	8-759-786-41	s	IC MBM27C256A-VE12051
ICB17	8-759-775-20	s	IC MBM27C256-VE12061	8-759-786-42	s	IC MBM27C256A-VE12061
R70, 72	NOT IN USE			1-215-409-00	s	RES, METAL 330 1% 1/6W
R71, 73	NOT IN USE			1-215-411-00	s	RES, METAL 390 1% 1/6W

VN-01 BOARD

ICA2	8-759-793-04	s	IC VP16V8E-VN01311	8-759-794-76	s	IC PAL16R8B-VN01311
ICE6	8-759-790-28	s	IC VP16V8E-VN01061	8-759-794-74	s	IC PAL16R8B-VN01061
ICE9	8-759-790-27	s	IC VP16V8E-VN01041	8-759-794-72	s	IC PAL16R6B-VN01041
ICF8	8-759-790-27	s	IC VP16V8E-VN01041	8-759-794-72	s	IC PAL16R6B-VN01041
ICM3	8-759-793-02	s	IC VP16V8E-VN01462	8-759-794-77	s	IC PAL16R8B-VN01462

UP TO #21302 (DVPC-1000;J)
UP TO #20999 (DVPC-1000;UC)
UP TO #11199 (DVPC-1000;EK)

#21401 & UP (DVPC-1000;J)
#21001 & UP (DVPC-1000;UC)
#11201 & UP (DVPC-1000;EK)

AN-01 BOARD

ICA18	8-759-791-06	s	IC VP16V8E-AN01371	8-759-795-18	s	IC PAL16R8B-AN01371
ICA20	8-759-791-74	s	IC VP16V8E-AN01431	8-759-795-20	s	IC PAL16R8B-AN01431
ICA21	8-759-791-04	s	IC VP16V8E-AN01351	8-759-795-16	s	IC PAL16R8B-AN01351
ICA23	8-759-791-02	s	IC VP16V8E-AN01331	8-759-795-14	s	IC PAL16R8B-AN01331
ICA24	8-759-791-01	s	IC VP16V8E-AN01321	8-759-795-13	s	IC PAL16R8B-AN01321
ICB16	8-759-790-92	s	IC VP16V8E-AN01231	8-759-795-06	s	IC PAL16R8B-AN01231
ICE22	8-759-790-98	s	IC VP16V8E-AN01291	8-759-795-11	s	IC PAL16R8B-AN01291
ICF16	8-759-790-91	s	IC VP16V8E-AN01221	8-759-795-05	s	IC PAL16R6B-AN01221
ICF20	8-759-790-96	s	IC VP16V8E-AN01271	8-759-795-10	s	IC PAL16R8B-AN01271
ICF21	8-759-790-98	s	IC VP16V8E-AN01291	8-759-795-11	s	IC PAL16R8B-AN01291
ICG8	8-759-790-93	s	IC VP16V8E-AN01241	8-759-795-07	s	IC PAL16R8B-AN01241
ICH23	8-759-790-89	s	IC VP16V8E-AN01201	8-759-795-03	s	IC PAL16R6B-AN01201
ICJ6	8-759-791-00	s	IC VP16V8E-AN01311	8-759-795-12	s	IC PAL16L8B-AN01311
ICJ12	8-759-790-95	s	IC VP16V8E-AN01261	8-759-795-09	s	IC PAL16R6B-AN01261
ICJ16	8-759-791-76	s	IC VP16V8E-AN01401	8-759-795-19	s	IC PAL16R8B-AN01401

AP-14 BOARD

ICB15	8-759-790-06	s	IC VP16V8E-AP14201	8-759-795-27	s	IC PAL16L8B-AP14201
ICC20	8-759-790-07	s	IC VP16V8E-AP14211	8-759-795-22	s	IC PAL16R6B-AP14211
ICC23	8-759-790-08	s	IC VP16V8E-AP14221	8-759-795-26	s	IC PAL16L8B-AP14221
ICD21	8-759-790-09	s	IC VP16V8E-AP14231	8-759-795-23	s	IC PAL16R8B-AP14231
ICF14	8-759-790-10	s	IC VP16V8E-AP14241	8-759-795-24	s	IC PAL16R8B-AP14241
ICG9	8-759-790-11	s	IC VP16V8E-AP14251	8-759-795-25	s	IC PAL16R8B-AP14251
ICK25	8-759-790-12	s	IC VP16V8E-AP14261	8-759-795-21	s	IC PAL16R4B-AP14261

AU-86 BOARD

JS3	1-565-413-11	s	RECEPTACLE CONNECTOR 2P	DELETED

CHANGED PARTS

UP TO #21499 (DVPC-1000;J)
UP TO #20999 (DVPC-1000;UC)
UP TO #11199 (DVPC-1000;EK)

#21501 & UP (DVPC-1000;J)
#21001 & UP (DVPC-1000;UC)
#11201 & UP (DVPC-1000;EK)

AA-29 BOARD

IC507, 607, 707, 807	8-759-240-53	s	IC TC4053BP	8-759-040-53	s	IC MC14053BCP

PG-13 BOARD

ICE16	8-759-002-01	s	IC MC74F157N	8-759-031-37	s	IC MC74F157AN

VE-12 BOARD

C135, 136	NOT IN USE			1-107-210-00	s	CAP, MICA 22PF 5% 500V

UP TO #21599 (DVPC-1000;J)
UP TO #20999 (DVPC-1000;UC)
UP TO #11199 (DVPC-1000;EK)

#21601 & UP (DVPC-1000;J)
#21001 & UP (DVPC-1000;UC)
#11201 & UP (DVPC-1000;EK)

AT-45 BOARD

6PC	7-628-253-10	s	SCREW +PS 2×5	7-628-253-20	s	SCREW +PS 2×6

FM-09 BOARD

ICJ14	PENDING	s	IC MBL8749H	8-759-983-35	s	IC MBL8749H-FM090217

IF-139 BOARD

ICF4	8-759-786-48	s	IC MBM27C256A-IF1390129	8-759-741-09	s	IC MBM27C256A-IF13090135

VN-01 BOARD

ICE26	8-759-782-16	s	IC MB7138HSK-VN01421	8-759-740-89	s	IC MB7138HSK-VN01422

UP TO #21799 (DVPC-1000;J)
UP TO #20999 (DVPC-1000;UC)
UP TO #11199 (DVPC-1000;EK)

#21801 & UP (DVPC-1000;J)
#21001 & UP (DVPC-1000;UC)
#11201 & UP (DVPC-1000;EK)

PANEL (1) ASSY, REAR

6pcs	4-606-363-11	s	POST	3-722-732-01	s	SCREW, SLIDE LOCK

UP TO #21599 (DVPC-1000;J)
UP TO #20999 (DVPC-1000;UC)
UP TO #21099 (DVPC-1000;EK)

#21601 & UP(DVPC-1000;J)
#21001 & UP(DVPC-1000;UC)
#21101 & UP(DVPC-1000;EK)

VA-45 BOARD

ICG10	8-759-787-80	s	MB7138HSK-VA45191	8-759-744-15	s	MB7138HSK-VA45192

UP TO #21699 (DVPC-1000;J)
UP TO #20999 (DVPC-1000;UC)
UP TO #21099 (DVPC-1000;EK)

#21701 & UP (DVPC-1000;J)
#21001 & UP (DVPC-1000;UC)
#21101 & UP (DVPC-1000;EK)

SY-70 BOARD

ICC28	8-759-787-14	s	IC MBM27C512-SY70251	8-759-774-01	s	IC MBM27C512-SY70252
C94,96	NOT IN USE			1-161-051-00	s	CAP, CERAMIC 0.01uF 10% 50V

UP TO #21899 (DVPC-1000;J)
UP TO #21099 (DVPC-1000;UC)
UP TO #21099 (DVPC-1000;EK)

#21901 & UP (DVPC-1000;J)
#21101 & UP (DVPC-1000;UC)
#21101 & UP (DVPC-1000;EK)

AA-29 BOARD

IC502,503,602,603, 702,703,802,804	8-759-203-52	s	IC TC74HC595P	8-759-001-63	s	IC MC74HC595N
IC7,9,28	8-759-202-22	s	IC TC74HC74P	8-759-916-29	s	IC SN74HC74N

AE-06 BOARD

ICA21,22,B20,22,D22,E5, F17,18,19,20,G11	8-759-000-99	s	IC MC74HC74N	8-759-916-29	s	IC SN74HC74N
ICA31,32	8-759-202-33	s	IC TC74HC240P	8-759-916-65	s	IC SN74HC240N
ICB30,E30,F5, G7,H17,J16	8-759-202-14	s	IC TC74HC08P	8-759-803-70	s	IC LC74HC08
ICE28,K8,9	8-759-203-52	s	IC TC74HC595P	8-759-001-63	s	IC MC74HC595N
ICF4	8-759-203-76	s	IC TC74HC4078P	8-759-921-83	s	IC SN74HC4078AN
ICF9,G12	8-759-203-24	s	IC TC74HC283P	8-759-233-05	s	IC TC74HC283AP
ICG13,14,15,16,H19	8-759-202-27	s	IC TC74HC157P	8-759-916-50	s	IC SN74HC157N
ICJ28	8-759-112-18	s	IC uPD4362-45	8-752-326-64	s	IC CXK5464PN-55L

AN-01 BOARD

ICB2,F4,G3,4	8-759-001-31	s	IC MC74HC151N	8-759-202-92	s	IC TC74HC151P
ICC27,D27	8-759-202-33	s	IC TC74HC240P	8-759-916-65	s	IC SN74HC240N
ICD9,E10,11,13,21, F7,8,10,11,13	8-759-202-27	s	IC TC74HC157P	8-759-916-50	s	IC SN74HC157N
ICD21,F5,G18,H7,20	8-759-203-52	s	IC TC74HC595P	8-759-001-63	s	IC MC74HC595N
ICE26	8-759-112-18	s	IC uPD4362C-45	8-752-326-64	s	IC CXK5464PN-55L
ICG6	8-759-202-56	s	IC TC74HC245P	8-759-921-34	s	IC SN74HC245N
ICG15,16,H15,16	8-759-203-24	s	IC TC74HC283P	8-759-233-05	s	IC TC74HC283AP
ICG25	8-759-000-99	s	IC MC74HC74N	8-759-916-29	s	IC SN74HC74N

CHANGED PARTS

UP TO #21699 (DVPC-1000;J)
UP TO #20999 (DVPC-1000;UC)
UP TO #21099 (DVPC-1000;EK)

#21701 & UP (DVPC-1000;J)
#21001 & UP (DVPC-1000;UC)
#21101 & UP (DVPC-1000;EK)

AP-14 BOARD

ICA27,E25,G23	8-759-000-99	s	IC MC74HC74N	8-759-916-29	s	IC SN74HC74N
ICB22,26,E24,G27	8-759-202-14	s	IC TC74HC08P	8-759-803-70	s	IC LC74HC08
ICC14,17,18,D13	8-759-001-31	s	IC MC74HC151N	8-759-202-92	s	IC TC74HC151P
ICC30,D31	8-759-202-33	s	IC TC74HC240P	8-759-916-65	s	IC SN74HC240N
ICE23,J13	8-759-202-12	s	IC TC74HC02P	8-759-921-08	s	IC SN74HC02N
ICJ6	8-759-203-52	s	IC TC74HC595P	8-759-001-63	s	IC MC74HC595N
ICK12	8-759-112-18	s	IC uPD4362C-45	8-752-326-64	s	IC CXK5464PN-55L

AU-86 BOARD

ICA14,C3,4,9,10,F22 H1,2,5,6,7,J3,9	8-759-000-99	s	IC MC74HC74N	8-759-916-29	s	IC SN74HC74N
ICA15	8-759-202-12	s	IC TC74HC02P	8-759-921-08	s	IC SN74HC02N
ICB26,C26	8-759-202-33	s	IC TC74HC240P	8-759-916-65	s	IC SN74HC240N
ICH3,4,9,10	8-759-203-76	s	IC TC74HC4078P	8-759-921-83	s	IC SN74HC4078AN
ICK5,11	8-759-202-14	s	IC TC74HC08P	8-759-803-70	s	IC LC74HC08
ICK22	8-759-203-52	s	IC TC74HC595P	8-759-001-63	s	IC MC74HC595N

CI-01 BOARD

ICC36	8-759-202-12	s	IC TC74HC02P	8-759-921-08	s	IC SN74HC02N
ICC38	8-759-000-99	s	IC MC74HC74N	8-759-916-29	s	IC SN74HC74N
ICE3,F3	8-759-203-52	s	IC TC74HC595P	8-759-001-63	s	IC MC74HC595N
ICE36,37	8-759-202-33	s	IC TC74HC240P	8-759-916-65	s	IC SN74HC240N
ICF11,12,15,16,23,24,27	8-759-112-18	s	IC uPD4362C-45	8-752-326-64	s	IC CXK5464PN-55L
ICF27,H28	8-759-202-14	s	IC TC74HC08P	8-759-803-70	s	IC LC74HC08

FM-09 BOARD

ICG22	8-759-791-29	s	IC VP16V8E-FM09393	8-759-796-89	s	GAL16V8-FM09394
ICJ14	8-759-983-35	s	IC MBL8749H-FM090217	8-759-745-17	s	MBL8749H-FM09218

IE-17 BOARD

ICA9,H5,J5	8-759-202-14	s	IC TC74HC08P	8-759-803-70	s	IC LC74HC08
ICC12,F12	8-759-202-27	s	IC TC74HC157P	8-759-916-50	s	IC SN74HC157N
ICH23,L6	8-759-000-99	s	IC MC74HC74N	8-759-916-29	s	IC SN74HC74N

UP TO #21699 (DVPC−1000;J) UP TO #20999 (DVPC−1000;UC) UP TO #21099 (DVPC−1000;EK)				#21701 & UP (DVPC−1000;J) #21001 & UP (DVPC−1000;UC) #21101 & UP (DVPC−1000;EK)		

IF−139 BOARD

ICD7, H18, 23	8−759−202−56	s	IC TC74HC245P	8−759−921−34	s	IC SN74HC245N
ICE6, 8, F16, 17, G16, 24, 28, H5, 14, 17, 25	8−759−202−22	s	IC TC74HC74P	8−759−916−29	s	IC SN74HC74N
ICF20, H2	8−759−202−14	s	IC TC74HC08P	8−759−803−70	s	IC LC74HC08
ICG18, 19, 20, 21, 22, 23	8−759−202−27	s	IC TC74HC157P	8−759−916−50	s	IC SN74HC157N

IV−20 BOARD

IC701, 708	8−759−202−33	s	IC TC74HC240P	8−759−916−65	s	IC SN74HC240N
IC703	8−759−202−14	s	IC TC74HC08P	8−759−803−70	s	IC LC74HC08
IC705	8−759−202−27	s	IC TC74HC157P	8−759−916−50	s	IC SN74HC157N

PG−13 BOARD

ICA2, 3, 4, 5, D3, 4, 5, 6, 7, 8, 9, 10, F7, 8, 12, 13, G7, 8, 12, 13, H7, 8, 12, 13, J7, 8, 12, 13	8−759−203−52	s	IC TC74HC595P	8−759−001−63	s	IC MC74HC595N
ICA6, 7, 8, 9, C13, 15, J19	8−759−202−27	s	IC TC74HC157P	8−759−916−50	s	IC SN74HC157N
ICA10	8−759−202−14	s	IC TC74HC08P	8−759−803−70	s	IC LC74HC08
ICA11, 21, G17	8−759−000−99	s	IC MC74HC74N	8−759−916−29	s	IC SN74HC74N
ICD14	8−759−202−12	s	IC TC74HC02P	8−759−921−08	s	IC SN74HC02N
ICD17, 20	8−759−202−33	s	IC TC74HC240P	8−759−916−65	s	IC SN74HC240N

SY−70 BOARD

ICA16, F16	8−759−202−27	s	IC TC74HC157P	8−759−916−50	s	IC SN74HC157N
ICA20, E18, F20	8−759−202−14	s	IC TC74HC08P	8−759−803−70	s	IC LC74HC08
ICA22, F22, H24	8−759−000−99	s	IC MC74HC74N	8−759−916−29	s	IC SN74HC74N
ICC15, 16, 17, 18, 19, 20 H15, 16, 17, 18, 19, 20	8−759−112−18	s	IC uPD4362C−45	8−752−326−64	s	IC CXK5464PN−55L
ICC35, D35	8−759−202−33	s	IC TC74HC240P	8−759−916−65	s	IC SN74HC240N
ICG26	8−759−202−12	s	IC TC74HC02P	8−759−921−08	s	IC SN74HC02N

CHANGED PARTS

UP TO #21699 (DVPC-1000;J)
UP TO #20999 (DVPC-1000;UC)
UP TO #21099 (DVPC-1000;EK)

#21701 & UP (DVPC-1000;J)
#21001 & UP (DVPC-1000;UC)
#21101 & UP (DVPC-1000;EK)

TG-28 BOARD

ICA20, D3, 11, 12, E9, 14, 15, 23, 24, 25, F13, G17, J23, 24, 26, L29	8-759-000-99	s	IC MC74HC74N	8-759-916-29	s	IC SN74HC74N
ICC11, D6, E5, G2, 12, K26	8-759-202-12	s	IC TC74HC02P	8-759-921-08	s	IC SN74HC02N
ICE21	8-759-776-11	s	IC MB7138HSK-TG28142	8-759-745-16	s	IC MB7138HSK-TG28221
ICF14, G15, H21	8-759-202-14	s	IC TC74HC08P	8-759-803-70	s	IC LC74HC08
ICF26, 31	8-759-202-33	s	IC TC74HC240P	8-759-916-65	s	IC SN74HC240N
ICJ25, K22, L22	8-759-916-50	s	IC TC74HC157P	8-759-916-50	s	IC SN74HC157N

VE-12 BOARD

ICA5, 6, 9, 11	8-759-203-24	s	IC TC74HC283P	8-759-233-05	s	IC TC74HC283AP
ICE24, 29, G27, 36	8-759-202-14	s	IC TC74HC08P	8-759-803-70	s	IC LC74HC08
ICE27, 28, G29, 30, 35	8-759-000-99	s	IC MC74HC74N	8-759-916-29	s	IC SN74HC74N
ICF2, 4, 5, 6, 7, 8, 10, 11 H2, 4, 5, 6, 7, 8, 10, 11 J2, 4, 5, 6, 7, 8, 10, 11 K2, 4, 5, 6, 7, 8, 10, 11	8-759-112-18	s	IC uPD4362C-45	8-752-326-64	s	IC CXK5464PN-55L

UP TO #21999 (DVPC-1000;J)
UP TO #31199 (DVPC-1000;UC)
UP TO #21199 (DVPC-1000;EK)

#22001 & UP (DVPC-1000;J)
#31201 & UP (DVPC-1000;UC)
#21201 & UP (DVPC-1000;EK)

AE-06 BOARD

ICF11	8-759-900-86	s	IC SN74LS86N	8-759-989-69	s	IC SN74LS86AN

AN-01 BOARD

ICF17	8-759-791-75	s	IC VP16V8E-AN01421	8-759-796-67	s	IC GAL16V8-AN01421
ICG10	8-759-791-35	s	IC VP16V8E-AN01411	8-759-796-68	s	IC GAL16V8-AN01411

AU-86 BOARD

ICF2, 6, 8, 12	8-759-791-65	s	IC VP16V8E-AU86532	8-759-796-69	s	IC GAL16V8-AU86532
ICG1, 5, 7, 11	8-759-791-64	s	IC VP16V8E-AU86512	8-759-796-70	s	IC GAL16V8-AU86512
ICK20	8-759-791-45	s	IC VP16V8E-AU86541	8-759-796-75	s	IC GAL16V8-AU86541
ICJ25	8-759-902-57	s	IC SN74LS257AN	8-759-989-73	s	IC SN74LS257BN

UP TO #21999 (DVPC-1000;J) UP TO #31199 (DVPC-1000;UC) UP TO #21199 (DVPC-1000;EK)				#22001 & UP (DVPC-1000;J) #31201 & UP (DVPC-1000;UC) #21201 & UP (DVPC-1000;EK)		
CI-01 BOARD						
ICB10	8-759-900-86	s	IC SN74LS86N	8-759-989-69	s	IC SN74LS86AN
ICB33	8-759-793-23	s	IC VP16V8E-CI01431	8-759-796-57	s	IC GAL16V8-CI01431
ICH2	8-759-793-10	s	IC VP16V8E-CI01422	8-759-796-62	s	IC GAL16V8-CI01422
ICH3	8-759-793-11	s	IC VP16V8E-CI01412	8-759-796-61	s	IC GAL16V8-CI01412
ICH4	8-759-793-12	s	IC VP16V8E-CI01402	8-759-796-60	s	IC GAL16V8-CI01402
ICH5	8-759-793-13	s	IC VP16V8E-CI01392	8-759-796-59	s	IC GAL16V8-CI01392
ICK2, 11, 20, 29	8-759-794-59	s	IC VP16V8E-CI01373	8-759-796-56	s	IC GAL16V8-CI01373
ICL3, 12, 21, 30	8-759-793-16	s	IC VP16V8E-CI01362	8-759-796-59	s	IC GAL16V8-CI01362
FM-09 BOARD						
ICA4, 12	8-759-777-41	s	IC VP16V8E-FM09232	8-759-796-77	s	IC GAL16V8-FM09232
ICG19, 21, 32	8-759-902-57	s	IC SN74LS257AN	8-759-989-73	s	IC SN74LS257BN
ICG22	8-759-791-29	s	IC VP16V8E-FM09393	8-759-796-76	s	IC GAL16V8-FM09393
IF-139 BOARD						
ICH6, 7	8-759-105-77	s	IC uPD71054C	8-752-806-91	s	IC CXQ71054P
IV-21 BOARD						
IC881	8-759-171-15	s	IC uPC7815H	8-759-982-15	s	IC RC7815FA
IC882	8-759-179-15	s	IC uPC7915H	8-759-982-41	s	IC RC7915FA
SP-10 BOARD						
R54, 55	1-216-079-00	s	RES, METAL CHIP 18K 5% 1/10W	DELETED		
SY-70 BOARD						
ICD4, 5, J4, 5	8-759-900-86	s	IC SN74LS86N	8-759-989-69	s	IC SN74LS86AN
IG-28 BOARD						
ICA16, C16, D18	8-759-900-86	s	IC SN74LS86N	8-759-989-69	s	IC SN74LS86AN
VE-12 BOARD						
ICE33	8-759-791-49	s	IC VP16V8E-VE12171	8-759-796-73	s	IC GAL16V8-VE12171
ICE34	8-759-791-48	s	IC VP16V8E-VE12161	8-759-796-74	s	IC GAL16V8-VE12161
ICJ39	8-759-793-06	s	IC VP16V8E-VE12181	8-759-796-63	s	IC GAL16V8-VE12181

SONY

DIGITAL SIGNAL PROCESSOR

DVPC-1000

SUPPLEMENT-5

内容

資料の追加及び差し換え

- B. Schematic Diagram & Board Layout
  B-261 (c) ～ B-310 (c) 頁
- D. Replaceable Parts & Optional Fixture
  D-100 ～ D-107頁

対象マニュアル/対象機番

このサプリメントをお手持ちのDVPC-1000 (J, UC, EK)
メンテナンスマニュアルvolume-2に追加してお使い下さい。

DVPC-1000 (J, UC, EK) volume-2
1st Edition (Revised 10)

上記マニュアルは下記機番の機械に添付されています。

DVPC-1000 (J) : #21901 ～ #32999
DVPC-1000 (UC) : #21101 ～ #32099
DVPC-1000 (EK) : #21101 ～ #32199

SUBJECT

Addition and Replacement of Documents

- B. Schematic Diagram & Board Layout
  B-261 (c) to B-310 (c)
- D. Replaceable Parts & Optional Fixture
  D-100 to D-107

APPLICABLE MANUAL/SERIAL NUMBERS

Please file this supplement to your DVPC-1000 (J, UC, EK) maintenance manual volume-2.

DVPC-1000 (J, UC, EK) volume-2
1st Edition (Revised 10)

Above manual is enclosed with the machine with the following serial numbers.

DVPC-1000 (J) : #21901 to #32999
DVPC-1000 (UC) : #21101 to #32099
DVPC-1000 (EK) : #21101 to #32199

Component Digital

MAINTENANCE MANUAL

DVPC-1000 (J)
DVPC-1000 (UC)
DCPC-1000 (EK)
9-966-970-07

Sony Corporation
Communication Products Group

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E. CHANGED PARTS

(VN-01 BOARD, DVPC-1000)

#10701 TO 21899 (J)
#21001 TO 21099 (UC)
#11001 TO 21099 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICF14	8-759-917-83	s	IC 74F353PC
ICF16	8-759-906-76	s	IC 74F283PC
ICF17	8-759-906-76	s	IC 74F283PC
ICF18	8-759-904-85	s	IC 74F253PC
ICF20	8-759-906-76	s	IC 74F283PC
ICF21	8-759-780-17	s	IC MB7232RA-VN01361
ICF23	8-759-780-16	s	IC MB7232RA-VN01371
ICF24	8-759-780-17	s	IC MB7232RA-VN01361
ICF25	8-759-913-63	s	IC SN74ALS374N
ICF26	8-759-793-01	s	IC VP16V8E-VN01451
ICF27	8-759-793-03	s	IC VP16V8E-VN01441
ICF28	8-759-103-88	s	IC UPD82C43CY
ICF29	8-759-103-88	s	IC UPD82C43CY
ICF30	8-759-004-82	s	IC MC74HCT534N
ICF31	8-759-300-25	s	IC HD10125
ICF32	8-759-926-32	s	IC AM26LS32PC
ICG2	8-759-202-55	s	IC TC74HC244P
ICG3	8-759-913-63	s	IC SN74ALS374N
ICG4	8-759-913-63	s	IC SN74ALS374N
ICG5	8-759-904-33	s	IC SN74ALS20AN
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ICG16	8-759-906-76	s	IC 74F283PC
ICG17	8-759-906-76	s	IC 74F283PC
ICG18	8-759-904-85	s	IC 74F253PC
ICG20	8-759-906-76	s	IC 74F283PC
ICG21	8-759-112-37	s	IC UPD41101C-3
ICG23	8-759-112-37	s	IC UPD41101C-3
ICG24	8-759-112-37	s	IC UPD41101C-3
ICG25	8-759-791-51	s	IC VP16V8E-VN01431
ICG26	8-759-004-80	s	IC MC74HCT374N
ICG27	8-759-004-80	s	IC MC74HCT374N
ICG28	8-759-913-63	s	IC SN74ALS374N
ICG29	8-759-913-63	s	IC SN74ALS374N
ICG30	8-759-904-87	s	IC 74F374PC
ICG31	8-759-301-24	s	IC HD10124
ICH2	8-759-202-55	s	IC TC74HC244P
ICH3	8-759-203-68	s	IC TC74HC4040P
ICH5	8-759-913-63	s	IC SN74ALS374N
ICH6	8-759-918-39	s	IC CX20167
ICH7	8-759-791-52	s	IC VP16V8E-VN01331
ICH8	8-759-791-52	s	IC VP16V8E-VN01331
ICH9	8-759-918-39	s	IC CX20167
ICH10	8-759-791-52	s	IC VP16V8E-VN01331
ICH11	8-759-791-52	s	IC VP16V8E-VN01331
ICH12	8-759-203-36	s	IC TC74HC374P
ICH13	8-759-906-76	s	IC 74F283PC
ICH14	8-759-917-83	s	IC 74F353PC
ICH16	8-759-906-76	s	IC 74F283PC
ICH17	8-759-906-76	s	IC 74F283PC
ICH18	8-759-904-85	s	IC 74F253PC
ICH20	8-759-906-76	s	IC 74F283PC
ICH23	8-759-203-36	s	IC TC74HC374P
ICH24	8-759-004-80	s	IC MC74HCT374N
ICH26	8-759-904-18	s	IC SN74ALS00AN
ICH27	8-759-904-26	s	IC SN74ALS08N
ICH28	8-759-112-37	s	IC UPD41101C-3
ICH29	8-759-112-37	s	IC UPD41101C-3
ICH30	8-759-904-80	s	IC 74F04PC
ICH31	8-759-301-24	s	IC HD10124
ICJ2	8-759-202-55	s	IC TC74HC244P
ICJ4	8-759-774-06	s	IC MB7132HSK-VN01131
ICJ6	8-759-774-41	s	IC MB7232RA-VN01021
ICJ7	8-759-913-63	s	IC SN74ALS374N
ICJ8	8-759-903-92	s	IC SN74LS682N
ICJ9	8-759-774-41	s	IC MB7232RA-VN01021
ICJ10	8-759-913-63	s	IC SN74ALS374N
ICJ11	8-759-903-92	s	IC SN74LS682N
ICJ12	8-759-203-36	s	IC TC74HC374P
ICJ13	8-759-936-57	s	IC SN74ALS251N

(VN-01 BOARD, DVPC-1000)

#10701 TO 21899 (J)
#21001 TO 21099 (UC)
#11001 TO 21099 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICJ14	8-759-004-82	s	IC MC74HCT534N
ICJ16	8-759-936-57	s	IC SN74ALS251N
ICJ17	8-759-936-57	s	IC SN74ALS251N
ICJ18	8-759-203-36	s	IC TC74HC374P
ICJ20	8-759-936-57	s	IC SN74ALS251N
ICJ21	8-759-004-80	s	IC MC74HCT374N
ICJ22	8-759-004-80	s	IC MC74HCT374N
ICJ23	8-759-004-80	s	IC MC74HCT374N
ICJ24	8-759-203-36	s	IC TC74HC374P
ICJ25	8-759-900-04	s	IC SN74LS04N
ICJ26	8-759-904-48	s	IC SN74LS109N
ICJ27	8-759-900-00	s	IC SN74LS00N
ICJ30	8-759-902-40	s	IC SN74LS240N
ICJ31	8-759-301-24	s	IC HD10124
ICK3	8-759-202-55	s	IC TC74HC244P
ICK12	8-759-112-37	s	IC UPD41101C-3
ICK13	8-759-936-57	s	IC SN74ALS251N
ICK14	8-759-904-88	s	IC 74F534PC
ICK16	8-759-936-57	s	IC SN74ALS251N
ICK17	8-759-936-57	s	IC SN74ALS251N
ICK18	8-759-913-63	s	IC SN74ALS374N
ICK20	8-759-936-57	s	IC SN74ALS251N
ICK25	8-759-202-55	s	IC TC74HC244P
ICK26	8-759-202-55	s	IC TC74HC244P
ICK27	8-759-774-47	s	IC MB7128H-VN01211
ICK28	8-759-904-87	s	IC 74F374PC
ICK29	8-759-913-63	s	IC SN74ALS374N
ICK31	8-759-301-24	s	IC HD10124
ICL1	8-752-304-30	s	IC CX23043
ICL2	8-752-304-30	s	IC CX23043
ICL3	8-759-946-64	s	IC SN74ALS04BN
ICL4	8-759-913-63	s	IC SN74ALS374N
ICL5	8-759-774-93	s	IC MB7124H-VN01121
ICL6	8-759-112-37	s	IC UPD41101C-3
ICL7	8-759-774-93	s	IC MB7124H-VN01121
ICL8	8-759-906-78	s	IC 74F399PC
ICL9	8-759-906-78	s	IC 74F399PC
ICL10	8-759-913-63	s	IC SN74ALS374N
ICL12	8-759-203-43	s	IC TC74HC534P
ICL13	8-759-936-57	s	IC SN74ALS251N
ICL14	8-759-004-80	s	IC MC74HCT374N
ICL16	8-759-936-57	s	IC SN74ALS251N
ICL17	8-759-936-57	s	IC SN74ALS251N
ICL18	8-759-004-80	s	IC MC74HCT374N
ICL20	8-759-936-57	s	IC SN74ALS251N
ICL21	8-759-004-80	s	IC MC74HCT374N
ICL22	8-759-780-15	s	IC MB7134H-VN01401
ICL23	8-759-780-12	s	IC MB7134H-VN01381
ICL24	8-759-780-14	s	IC MB7134H-VN01391
ICL28	8-759-913-63	s	IC SN74ALS374N
ICL29	8-759-913-63	s	IC SN74ALS374N
ICL30	8-759-904-80	s	IC 74F04PC
ICL31	8-759-301-24	s	IC HD10124
ICM2	8-752-304-30	s	IC CX23043
ICM3	8-759-794-77	s	IC PAL16R8B-VN01462
ICM4	8-759-789-67	s	IC MB7114H-VN01481
ICM5	8-759-203-36	s	IC TC74HC374P
ICM6	8-759-203-36	s	IC TC74HC374P
ICM7	8-759-004-80	s	IC MC74HCT374N
ICM8	8-759-902-40	s	IC SN74LS240N
ICM9	8-759-913-63	s	IC SN74ALS374N
ICM10	8-759-774-06	s	IC MB7132HSK-VN01131
ICM13	8-759-936-57	s	IC SN74ALS251N
ICM16	8-759-936-57	s	IC SN74ALS251N
ICM17	8-759-936-57	s	IC SN74ALS251N
ICM20	8-759-936-57	s	IC SN74ALS251N
ICM21	8-759-004-80	s	IC MC74HCT374N
ICM22	8-759-913-63	s	IC SN74ALS374N
ICM23	8-759-913-63	s	IC SN74ALS374N
ICM24	8-759-913-63	s	IC SN74ALS374N
ICM26	8-759-937-27	s	IC CXB1001G

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(VN-01 BOARD, DVPC-1000)

#10701 TO 21899 (J)
#21001 TO 21099 (UC)
#11001 TO 21099 (EK)

Ref. No. or Qty	Part No.	SP	Description
ICM30	8-759-913-63	s	IC SN74ALS374N
ICM31	8-759-913-63	s	IC SN74ALS374N
ICM32	8-759-913-63	s	IC SN74ALS374N
JS1	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS8	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS11	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
L1	1-421-370-00	s	COIL, CHOKE
L2	1-421-370-00	s	COIL, CHOKE
L3	1-421-370-00	s	COIL, CHOKE
L4	1-421-370-00	s	COIL, CHOKE
L5	1-421-370-00	s	COIL, CHOKE
RB1	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB2	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB3	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB4	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB5	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB6	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB7	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB8	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB9	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB10	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB11	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB12	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB13	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB14	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB15	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB16	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB17	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB18	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB19	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB20	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB21	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB22	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB23	1-235-452-11	s	RESISTOR BLOCK, 330X4
RB24	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB25	1-231-410-00	s	RESISTOR BLOCK, 10KX8
S1	1-570-623-11	s	SWITCH, DIP 4CKT
S2	1-570-623-11	s	SWITCH, DIP 4CKT
S3	1-553-925-00	s	SWITCH, ROTARY
S4	1-553-925-00	s	SWITCH, ROTARY
S5	1-553-925-00	s	SWITCH, ROTARY
X1	1-527-828-00	s	CRYSTAL 12.000MHz

VN-01 BOARD, DVPC-1000

#21901 & UP (J)
#21101 & UP (UC)
#21101 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
1pc	A-6019-012-C	o	COMPLETE PCB, VN-01
(The assembly includes the follwing parts.)			
2pcs	3-673-249-11	o	LEVER, PC BOARD
1pc	3-715-724-11	o	LABEL (2), SERIAL NUMBER
2pcs	7-621-775-10	s	SCREW +B 2.6X4
2pcs	7-626-320-11	o	PIN, SPRING 3X8
6pcs	7-628-253-40	s	SCREW +PS 2X10
1pc	7-628-254-00	s	SCREW +PSW 2.6X5
20pcs	7-628-254-10	s	+PSW, 2.6X6
2pcs	7-628-254-20	s	+PSW, 2.6X8
C15	1-131-347-00	s	CAP, TANT 1uF 20% 35V
CN1	1-566-388-11	s	PIN, CONNECTOR 2P
CN2	1-566-388-11	s	PIN, CONNECTOR 2P
CN3	1-566-388-11	s	PIN, CONNECTOR 2P
CN4	1-566-388-11	s	PIN, CONNECTOR 2P
CN5	1-566-388-11	s	PIN, CONNECTOR 2P
CN6	1-566-388-11	s	PIN, CONNECTOR 2P
CN7	1-566-388-11	s	PIN, CONNECTOR 2P
CN8	1-566-388-11	s	PIN, CONNECTOR 2P
CN9	1-566-388-11	s	PIN, CONNECTOR 2P
CN10	1-566-388-11	s	PIN, CONNECTOR 2P
CN11	1-566-388-11	s	PIN, CONNECTOR 2P
CN12	1-566-388-11	s	PIN, CONNECTOR 2P
CN13	1-566-388-11	s	PIN, CONNECTOR 2P
CN101	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103	1-506-746-11	s	RECEP, DIN 48P, MALE
D1	8-719-800-60	s	DIODE TLR214
D2	8-719-400-35	s	DIODE LN35BP
DL1	1-415-522-11	s	DELAY LINE
F1	⚠1-576-031-11	s	FUSE, MICRO 10A
F2	⚠1-576-031-11	s	FUSE, MICRO 10A
ICA1	8-759-745-06	s	IC CY7C235-VN01551
ICA2	8-759-112-37	s	IC uPD41101C-3
ICA3	8-759-112-37	s	IC uPD41101C-3
ICA4	8-759-112-37	s	IC uPD41101C-3
ICA5	8-759-745-06	s	IC CY7C235-VN01551
ICA6	8-759-112-37	s	IC uPD41101C-3
ICA7	8-759-112-37	s	IC uPD41101C-3
ICA8	8-759-112-37	s	IC uPD41101C-3
ICA9	8-759-913-63	s	IC SN74ALS374N
ICA10	8-759-913-63	s	IC SN74ALS374N
ICA11	8-759-913-63	s	IC SN74ALS374N
ICA12	8-759-913-63	s	IC SN74ALS374N
ICA13	8-759-906-78	s	IC 74F399PC
ICA14	8-759-906-78	s	IC 74F399PC
ICA15	8-759-903-92	s	IC SN74LS682N
ICA16	8-759-796-71	s	IC GAL16V8-VN01331
ICA17	8-759-921-97	s	IC SN74HCT534N
ICA19	8-759-004-80	s	IC MC74HCT374N
ICA20	8-759-900-32	s	IC SN74LS32N
ICA23	8-759-202-92	s	IC TC74HC151P
ICA24	8-759-001-39	s	IC MC74HC164N
ICA25	8-759-745-02	s	IC MB7132HSK-VN01511
ICA26	8-759-112-37	s	IC uPD41101C-3
ICA27	8-759-004-80	s	IC MC74HCT374N
ICA28	8-759-203-36	s	IC TC74HC374P
ICA29	8-759-904-18	s	IC SN74ALS00AN
ICA30	8-759-989-69	s	IC SN74LS86AN
ICA31	8-759-903-99	s	IC SN74LS399N
ICA32	8-759-903-99	s	IC SN74LS399N
ICA33	8-759-745-01	s	IC MB7132HSK-VN01501
ICA34	8-759-900-04	s	IC SN74LS04N
ICA35	8-759-900-00	s	IC SN74LS00N
ICB20	8-759-203-43	s	IC TC74HC534P
ICB21	8-759-112-37	s	IC uPD41101C-3
ICB22	8-759-004-80	s	IC MC74HCT374N
ICB23	8-759-203-36	s	IC TC74HC374P
ICB24	8-759-004-80	s	IC MC74HCT374N
ICB25	8-759-112-37	s	IC uPD41101C-3
ICB31	8-759-901-09	s	IC SN74LS109AN

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(VN-01 BOARD, DVPC-1000)

#21901 & UP (J)
#21101 & UP (UC)
#21101 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICB32	8-759-902-44	s	IC SN74LS244N
ICB33	8-759-904-26	s	IC SN74ALS08N
ICB34	8-759-912-48	s	IC SN74ALS874NT
ICC1	8-759-902-21	s	IC SN74LS221N
ICC2	8-759-112-37	s	IC uPD41101C-3
ICC3	8-759-745-07	s	IC CY7C235-VN01561
ICC4	8-759-745-08	s	IC CY7C235-VN01571
ICC5	8-759-794-76	s	IC PAL16R8B-VN01311
ICC6	8-759-112-37	s	IC uPD41101C-3
ICC7	8-759-745-07	s	IC CY7C235-VN01561
ICC8	8-759-745-08	s	IC CY7C235-VN01571
ICC9	8-759-782-14	s	IC MB7138HSK-VN01351
ICC10	8-759-782-17	s	IC MB7138HSK-VN01341
ICC11	8-759-906-78	s	IC 74F399PC
ICC12	8-759-913-63	s	IC SN74ALS374N
ICC13	8-759-774-41	s	IC MB7232RA-VN01021
ICC14	8-759-774-41	s	IC MB7232RA-VN01021
ICC15	8-759-796-71	s	IC GAL16V8-VN01331
ICC16	8-759-913-63	s	IC SN74ALS374N
ICC17	8-759-921-97	s	IC SN74HCT534N
ICC19	8-759-921-97	s	IC SN74HCT534N
ICC27	8-759-113-08	s	IC CXD1039G
ICC31	8-759-913-63	s	IC SN74ALS374N
ICC32	8-759-913-63	s	IC SN74ALS374N
ICC33	8-759-913-63	s	IC SN74ALS374N
ICD1	8-759-946-64	s	IC SN74ALS04BN
ICD2	8-759-745-09	s	IC CY7C235-VN01581
ICD3	8-759-745-10	s	IC CY7C235-VN01591
ICD4	8-759-112-37	s	IC uPD41101C-3
ICD5	8-759-745-11	s	IC CY7C235-VN01601
ICD6	8-759-745-09	s	IC CY7C235-VN01581
ICD7	8-759-745-10	s	IC CY7C235-VN01591
ICD8	8-759-112-37	s	IC uPD41101C-3
ICD9	8-759-745-11	s	IC CY7C235-VN01601
ICD10	8-759-918-33	s	IC CX20160
ICD11	8-759-913-63	s	IC SN74ALS374N
ICD12	8-759-906-78	s	IC 74F399PC
ICD13	8-759-918-39	s	IC CX20167
ICD14	8-759-918-39	s	IC CX20167
ICD16	8-759-913-63	s	IC SN74ALS374N
ICD17	8-759-112-37	s	IC uPD41101C-3
ICD19	8-759-112-37	s	IC uPD41101C-3
ICD20	8-759-203-36	s	IC TC74HC374P
ICD21	8-759-203-36	s	IC TC74HC374P
ICD22	8-759-203-36	s	IC TC74HC374P
ICD23	8-759-004-80	s	IC MC74HCT374N
ICD24	8-759-112-37	s	IC uPD41101C-3
ICD25	8-759-004-80	s	IC MC74HCT374N
ICD26	8-759-203-36	s	IC TC74HC374P
ICD27	8-759-004-80	s	IC MC74HCT374N
ICD28	8-759-233-65	s	IC TC74HCT04AP
ICD29	8-759-731-87	s	IC MBL8742H-VN011415
ICE1	8-759-203-68	s	IC TC74HC4040P
ICE3	8-759-918-39	s	IC CX20167
ICE5	8-759-918-39	s	IC CX20167
ICE6	8-759-112-37	s	IC uPD41101C-3
ICE7	8-759-918-39	s	IC CX20167
ICE9	8-759-918-39	s	IC CX20167
ICE10	8-759-918-33	s	IC CX20160
ICE11	8-759-913-63	s	IC SN74ALS374N
ICE12	8-759-796-64	s	IC GAL16V8-VN01471
ICE13	8-759-796-71	s	IC GAL16V8-VN01331
ICE14	8-759-796-71	s	IC GAL16V8-VN01331
ICE15	8-759-913-63	s	IC SN74ALS374N
ICE16	8-759-904-33	s	IC SN74ALS20AN
ICE17	8-759-004-80	s	IC MC74HCT374N
ICE20	8-759-917-83	s	IC 74F353PC
ICE21	8-759-902-40	s	IC SN74LS240N
ICE22	8-759-906-76	s	IC 74F283PC
ICE23	8-759-904-85	s	IC 74F253PC

(VN-01 BOARD, DVPC-1000)

#21901 & UP (J)
#21101 & UP (UC)
#21101 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICE24	8-759-906-76	s	IC 74F283PC
ICE25	8-759-203-36	s	IC TC74HC374P
ICE26	8-759-103-88	s	IC uPD82C43CY
ICE28	8-759-103-88	s	IC uPD82C43CY
ICE31	8-759-912-30	s	IC SN74ALS640AN
ICE32	8-759-912-12	s	IC SN74ALS240AN
ICE33	8-759-203-61	s	IC TC74HC688P
ICE34	8-759-912-12	s	IC SN74ALS240AN
ICF1	8-759-202-55	s	IC TC74HC244P
ICF2	8-759-202-55	s	IC TC74HC244P
ICF19	8-759-906-76	s	IC 74F283PC
ICF20	8-759-917-83	s	IC 74F353PC
ICF21	8-759-906-76	s	IC 74F283PC
ICF22	8-759-906-76	s	IC 74F283PC
ICF23	8-759-904-85	s	IC 74F253PC
ICF24	8-759-906-76	s	IC 74F283PC
ICF29	8-759-745-05	s	IC MBM27C256A-VN01541
ICF30	8-759-203-68	s	IC TC74HC4040P
ICF31	8-759-921-97	s	IC SN74HCT534N
ICF32	8-759-300-25	s	IC HD10125
ICF33	8-759-926-32	s	IC AM26LS32PC
ICG1	8-759-202-55	s	IC TC74HC244P
ICG2	8-759-202-55	s	IC TC74HC244P
ICG3	8-759-918-39	s	IC CX20167
ICG5	8-759-918-39	s	IC CX20167
ICG6	8-759-913-63	s	IC SN74ALS374N
ICG7	8-759-918-39	s	IC CX20167
ICG9	8-759-918-39	s	IC CX20167
ICG10	8-759-782-14	s	IC MB7138HSK-VN01351
ICG11	8-759-782-17	s	IC MB7138HSK-VN01341
ICG12	8-759-796-64	s	IC GAL16V8-VN01471
ICG13	8-759-780-13	s	IC MB7226RA-VN01321
ICG14	8-759-780-13	s	IC MB7226RA-VN01321
ICG15	8-759-780-13	s	IC MB7226RA-VN01321
ICG16	8-759-780-13	s	IC MB7226RA-VN01321
ICG17	8-759-203-36	s	IC TC74HC374P
ICG19	8-759-906-76	s	IC 74F283PC
ICG20	8-759-917-83	s	IC 74F353PC
ICG21	8-759-906-76	s	IC 74F283PC
ICG22	8-759-906-76	s	IC 74F283PC
ICG23	8-759-904-85	s	IC 74F253PC
ICG24	8-759-906-76	s	IC 74F283PC
ICG25	8-759-203-36	s	IC TC74HC374P
ICG26	8-759-904-26	s	IC SN74ALS08N
ICG27	8-759-796-85	s	IC PAL16R4B-VN01631
ICG28	8-759-004-80	s	IC MC74HCT374N
ICG32	8-759-301-24	s	IC HD10124
ICH3	8-759-233-65	s	IC TC74HCT04AP
ICH4	8-759-918-39	s	IC CX20167
ICH5	8-759-918-39	s	IC CX20167
ICH6	8-759-913-63	s	IC SN74ALS374N
ICH7	8-759-918-39	s	IC CX20167
ICH9	8-759-918-39	s	IC CX20167
ICH10	8-759-913-63	s	IC SN74ALS374N
ICH11	8-759-913-63	s	IC SN74ALS374N
ICH12	8-759-794-74	s	IC PAL16R8B-VN01061
ICH13	8-759-780-13	s	IC MB7226RA-VN01321
ICH14	8-759-780-13	s	IC MB7226RA-VN01321
ICH15	8-759-780-13	s	IC MB7226RA-VN01321
ICH16	8-759-780-13	s	IC MB7226RA-VN01321
ICH17	8-759-203-36	s	IC TC74HC374P
ICH19	8-759-906-76	s	IC 74F283PC
ICH20	8-759-917-83	s	IC 74F353PC
ICH21	8-759-906-76	s	IC 74F283PC
ICH22	8-759-906-76	s	IC 74F283PC
ICH23	8-759-904-85	s	IC 74F253PC
ICH24	8-759-906-76	s	IC 74F283PC
ICH25	8-759-203-36	s	IC TC74HC374P
ICH26	8-759-774-47	s	IC MB7128H-VN01211
ICH29	8-759-913-63	s	IC SN74ALS374N

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

(VN-01 BOARD, DVPC-1000)

#21901 & UP (J)
#21101 & UP (UC)
#21101 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICH30	8-759-112-37	s	IC uPD41101C-3
ICH31	8-759-796-87	s	IC PAL16R6B-VN01651
ICH32	8-759-301-24	s	IC HD10124
ICJ3	8-752-304-30	s	IC CX23043
ICJ4	8-759-798-33	s	IC PAL16R4B-VN01642
ICJ5	8-759-004-80	s	IC MC74HCT374N
ICJ6	8-759-789-67	s	IC MB7114H-VN01481
ICJ7	8-759-004-80	s	IC MC74HCT374N
ICJ8	8-759-004-80	s	IC MC74HCT374N
ICJ9	8-759-004-80	s	IC MC74HCT374N
ICJ10	8-759-794-72	s	IC PAL16R6B-VN01041
ICJ11	8-759-203-36	s	IC TC74HC374P
ICJ12	8-759-004-80	s	IC MC74HCT374N
ICJ13	8-759-796-71	s	IC GAL16V8-VN01331
ICJ14	8-759-796-71	s	IC GAL16V8-VN01331
ICJ15	8-759-796-71	s	IC GAL16V8-VN01331
ICJ16	8-759-796-71	s	IC GAL16V8-VN01331
ICJ17	8-759-203-36	s	IC TC74HC374P
ICJ19	8-759-936-57	s	IC SN74ALS251N
ICJ20	8-759-921-97	s	IC SN74HCT534N
ICJ21	8-759-936-57	s	IC SN74ALS251N
ICJ22	8-759-936-57	s	IC SN74ALS251N
ICJ23	8-759-203-36	s	IC TC74HC374P
ICJ24	8-759-936-57	s	IC SN74ALS251N
ICJ25	8-759-112-37	s	IC uPD41101C-3
ICJ28	8-759-937-27	s	IC CXB1001G
ICJ29	8-759-904-87	s	IC 74F374PC
ICJ30	8-759-913-63	s	IC SN74ALS374N
ICJ31	8-759-904-87	s	IC 74F374PC
ICJ32	8-759-301-24	s	IC HD10124
ICK2	8-759-032-93	s	IC MC74HC595AN
ICK4	8-752-304-30	s	IC CX23043
ICK5	8-759-745-14	s	IC MB7124H-VN01122
ICK6	8-759-745-14	s	IC MB7124H-VN01122
ICK7	8-759-745-03	s	IC MB7138HSK-VN01521
ICK8	8-759-112-37	s	IC uPD41101C-3
ICK9	8-759-902-40	s	IC SN74LS240N
ICK10	8-759-004-80	s	IC MC74HCT374N
ICK11	8-759-794-72	s	IC PAL16R6B-VN01041
ICK13	8-759-913-63	s	IC SN74ALS374N
ICK14	8-759-918-39	s	IC CX20167
ICK15	8-759-913-63	s	IC SN74ALS374N
ICK16	8-759-918-39	s	IC CX20167
ICK17	8-759-112-37	s	IC uPD41101C-3
ICK18	8-759-904-26	s	IC SN74ALS08N
ICK19	8-759-936-57	s	IC SN74ALS251N
ICK20	8-759-904-88	s	IC 74F534PC
ICK21	8-759-936-57	s	IC SN74ALS251N
ICK22	8-759-936-57	s	IC SN74ALS251N
ICK23	8-759-913-63	s	IC SN74ALS374N
ICK24	8-759-936-57	s	IC SN74ALS251N
ICK25	8-759-004-80	s	IC MC74HCT374N
ICK26	8-759-203-36	s	IC TC74HC374P
ICK27	8-759-004-80	s	IC MC74HCT374N
ICK28	8-759-203-36	s	IC TC74HC374P
ICK29	8-759-904-87	s	IC 74F374PC
ICK30	8-759-913-63	s	IC SN74ALS374N
ICK31	8-759-902-40	s	IC SN74LS240N
ICK32	8-759-301-24	s	IC HD10124
ICL2	8-759-796-88	s	IC GAL16V8-VN01661
ICL3	8-759-913-63	s	IC SN74ALS374N
ICL4	8-759-745-04	s	IC MB7138HSK-VN01531
ICL5	8-759-913-63	s	IC SN74ALS374N
ICL6	8-759-745-03	s	IC MB7138HSK-VN01521
ICL7	8-759-913-63	s	IC SN74ALS374N
ICL8	8-759-913-63	s	IC SN74ALS374N
ICL9	8-759-913-63	s	IC SN74ALS374N
ICL10	8-759-796-66	s	IC GAL16V8-VN01451
ICL11	8-759-903-92	s	IC SN74LS682N
ICL12	8-759-906-78	s	IC 74F399PC

(VN-01 BOARD, DVPC-1000)

#21901 & UP (J)
#21101 & UP (UC)
#21101 & UP (EK)

Ref. No. or Qty	Part No.	SP	Description
ICL13	8-759-906-78	s	IC 74F399PC
ICL14	8-759-903-92	s	IC SN74LS682N
ICL15	8-759-774-41	s	IC MB7232RA-VN01021
ICL16	8-759-774-41	s	IC MB7232RA-VN01021
ICL17	8-759-203-43	s	IC TC74HC534P
ICL18	8-759-745-16	s	IC MB7138HSK-TG28221
ICL19	8-759-936-57	s	IC SN74ALS251N
ICL20	8-759-004-80	s	IC MC74HCT374N
ICL21	8-759-936-57	s	IC SN74ALS251N
ICL22	8-759-936-57	s	IC SN74ALS251N
ICL23	8-759-004-80	s	IC MC74HCT374N
ICL24	8-759-936-57	s	IC SN74ALS251N
ICL25	8-759-745-12	s	IC CY7C245-VN01611
ICL26	8-759-745-13	s	IC CY7C245-VN01621
ICL27	8-759-004-80	s	IC MC74HCT374N
ICL28	8-759-203-36	s	IC TC74HC374P
ICL29	8-759-913-63	s	IC SN74ALS374N
ICL30	8-759-112-37	s	IC uPD41101C-3
ICL31	8-759-904-80	s	IC 74F04PC
ICL32	8-759-301-24	s	IC HD10124
ICM19	8-759-936-57	s	IC SN74ALS251N
ICM21	8-759-936-57	s	IC SN74ALS251N
ICM22	8-759-936-57	s	IC SN74ALS251N
ICM24	8-759-936-57	s	IC SN74ALS251N
ICM31	8-759-913-63	s	IC SN74ALS374N
ICM32	8-759-913-63	s	IC SN74ALS374N
ICM33	8-759-903-74	s	IC SN74LS374N
JS1	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS8	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS11	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
JS12	1-565-413-11	s	RECEPTACLE CONNECTOR 2P
L1	1-421-370-00	s	COIL, CHOKE
L2	1-421-370-00	s	COIL, CHOKE
L3	1-421-370-00	s	COIL, CHOKE
L4	1-421-370-00	s	COIL, CHOKE
L5	1-421-370-00	s	COIL, CHOKE
RB1	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB2	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB3	1-231-509-00	s	RESISTOR BLOCK, 1KX4
RB4	1-231-509-00	s	RESISTOR BLOCK, 1KX4
RB5	1-231-005-00	s	RESISTOR BLOCK, 47KX8
RB6	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB7	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB8	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB9	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB10	1-231-405-00	s	RESISTOR BLOCK, 1KX8
RB11	1-235-410-00	s	RESISTOR BLOCK, 10KX8
RB12	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB13	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB14	1-235-005-00	s	RESISTOR BLOCK, 47KX8
RB15	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB16	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB17	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB18	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB19	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB20	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB21	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB22	1-231-399-00	s	RESISTOR BLOCK, 330X8
RB23	1-235-533-00	s	RESISTOR BLOCK, 10KX4
RB24	1-231-410-00	s	RESISTOR BLOCK, 10KX8
RB25	1-231-533-00	s	RESISTOR BLOCK, 10KX4
RB26	1-235-452-11	s	RESISTOR BLOCK, 330X4
RB27	1-231-410-00	s	RESISTOR BLOCK, 10KX8
S1	1-570-623-11	s	SWITCH, DIP 4CKT
S2	1-570-623-11	s	SWITCH, DIP 4CKT
S3	1-554-397-00	s	SWITCH, TOGGLE
S4	1-554-080-00	s	SWITCH, ROTARY
S5	1-553-925-00	s	SWITCH, ROTARY
S6	1-553-856-00	s	SWITCH, KEY BOARD
S7	1-553-856-00	s	SWITCH, KEY BOARD
S8	1-553-856-00	s	SWITCH, KEY BOARD
X1	1-527-828-00	s	CRYSTAL 12.000MHz

NOTE: Please see pages D-14 and D-15 for the part numbers of capacitors and resistors that are not listed in the parts list.

FRAME, DVPC-1000

Ref. No. Q' ty	Part No.	SP	Description
1pc	1−938−521−13	s	FLAT CABLE ASSY, IVD−1 26P/20P Includes the following connectors. CN015F (to DP−60 board) CM753F (to MB−132 board)
1pc	1−939−069−11	s	FLAT CABLE ASSY, IVD−2 26P/26P Includes the following connectors. CN272F (to IV−14 board) CN401F (to DS−18 board)
1pc	1−938−520−13	s	CABLE ASSY,PSC−1 Includes the following connectors. CN273F (to IV−14 board) CN652F (DIGITAL VIDEO INPUT) CN653F (DIGITAL VIDEO OUTPUT) CN654F (DIGITAL VIDEO REFERENCE INPUT) CN661F (CN−B) CN662F (EXT TERMINAL;GPIB) CN751F (to MB−132 board) CN752F (to MB−132 board) #10001 to 21799 (J) #10001 to 20999 (UC) #10001 to 11199 (EK) CN001F (to SP−10 board) #21801 & UP (J) #21001 & UP (UC) #11201 & UP (EK) CN754F (to MB−132 board) CN755F (to MB−132 board)
1pc	1−943−545−11	s	FLAT CABLE ASSY, PIC−11 Includes the following connectors. CN752F (to MB−132 board) CN006F (to SP−10 board) #21801 & UP (J) #21001 & UP (UC) #11201 & UP (EK)
66pcs	1−535−375−11	o	TERMINAL, FASTEN
CN002F (to power supply)			
	1−561−072−00	o	HOUSING, 9P
	1−561−067−00	o	CONTACT, FEMALE AWG14−20
CN002F (to SP−10 board)			
	1−943−546−11	o	CABLE, CSI−11
	1−509−509−12	o	HOUSING, IL 8P
	1−560−298−11	o	TERMINAL, SOLDERESS #21801 & UP (J) #21001 & UP (UC) #11201 & UP (EK)
CN003F (to power supply)			
	1−561−073−00	o	HOUSING, 15P
	1−561−067−00	o	CONTACT, FEMALE AWG14−20
CN016F (to power supply)			
	1−562−849−11	o	HOUSING, 12P
	1−535−206−11	o	CONTACT, FEMALE
CN019F (to DP−60 board)			
	1−509−984−00	o	HOUSING, IL 3P
	1−560−298−00	o	CONTACT, FEMALE AWG22−28
CN022F (to MB−132 board)			
	1−509−984−00	o	HOUSING, IL 3P
	1−560−298−00	o	CONTACT, FEMALE AWG22−28
CN023F (to MB−132 board)			
	1−509−984−00	o	HOUSING, IL 3P
	1−560−298−00	o	CONTACT, FEMALE AWG22−28
CN024F (to MB−132 board)			
	1−509−984−00	o	HOUSING, IL 3P
	1−560−298−00	o	CONTACT, FEMALE AWG22−28
CN043F (to MB−132 board)			
	1−561−071−00	o	HOUSING, 6P
	1−561−067−00	o	CONTACT, FEMALE AWG14−20
CN045F (to MB−132 board)			
	1−562−849−11	o	HOUSING, 12P
	1−561−067−00	o	CONTACT, FEMALE AWG14−20
CN048F (to IV−14 board)			
	1−561−828−00	o	HOUSING, 3P
	1−535−206−11	o	CONTACT, FEMALE

(FRAME, DVPC-1000)

Ref. No. Q' ty	Part No.	SP	Description
CN049F (to IV−14 board)			
	1−561−071−00	o	HOUSING, 6P
	1−535−206−11	o	CONTACT, FEMALE
CN050F (to AT−45 board)			
	1−561−070−00	o	HOUSING, 4P
	1−561−067−00	o	CONTACT, FEMALE AWG14−20
CN206F (to PE−18 board)			
	1−562−147−11	o	HOUSING, 2P
	1−563−088−11	o	CONTACT, FEMALE AWG24−30
CN251F (to IV−14 board)			
	1−509−988−00	o	HOUSING, IL 8P
	1−560−298−00	o	CONTACT, FEMALE AWG22−28
CN252F (to IV−14 board)			
	1−509−989−00	o	HOUSING, IL 10P
	1−560−298−00	o	CONTACT, FEMALE AWG22−28
CN253F (to IV−14 board)			
	1−509−987−00	o	HOUSING, IL 6P
	1−560−298−00	o	CONTACT, FEMALE AWG22−28
CN254F (to IV−14 board)			
	1−509−987−00	o	HOUSING, IL 6P
	1−560−298−00	o	CONTACT, FEMALE AWG22−28
CN255F (to IV−14 board)			
	1−509−988−00	o	HOUSING, IL 8P
	1−560−298−00	o	CONTACT, FEMALE AWG22−28
CN256F (to IV−14 board)			
	1−509−988−00	o	HOUSING, IL 8P
	1−560−298−00	o	CONTACT, FEMALE AWG22−28
CN257F (to IV−14 board)			
	1−509−988−00	o	HOUSING, IL 8P
	1−560−298−00	o	CONTACT, FEMALE AWG22−28
CN258F (to IV−14 board)			
	1−509−987−00	o	HOUSING, IL 6P
	1−560−298−00	o	CONTACT, FEMALE AWG22−28
CN259F (to IV−14 board)			
	1−509−988−00	o	HOUSING, IL 8P
	1−560−298−00	o	CONTACT, FEMALE AWG22−28
CN260F (to IV−14 board)			
	1−509−987−00	o	HOUSING, IL 6P
	1−560−298−00	o	CONTACT, FEMALE AWG22−28
CN261F (to IV−14 board)			
	1−509−987−00	o	HOUSING, IL 6P
	1−560−298−00	o	CONTACT, FEMALE AWG22−28
CN262F (to IV−14 board)			
	1−509−984−00	o	HOUSING, IL 3P
	1−560−298−00	o	CONTACT, FEMALE AWG22−28
CN263F (to IV−14 board)			
	1−509−984−00	o	HOUSING, IL 3P
	1−560−298−00	o	CONTACT, FEMALE AWG22−28
CN264F (to IV−14 board)			
	1−561−056−11	o	HOUSING, IL 12P
	1−560−298−00	o	CONTACT, FEMALE AWG22−28
CN265F (to IV−14 board)			
	1−561−056−00	o	HOUSING, IL 12P
	1−560−298−00	o	CONTACT, FEMALE AWG22−28
CN266F (to IV−14 board)			
	1−509−984−00	o	HOUSING, IL 3P
	1−560−298−00	o	CONTACT, FEMALE AWG22−28
CN267F (to IV−14 board)			
	1−509−984−00	o	HOUSING, IL 3P
	1−560−298−00	o	CONTACT, FEMALE AWG22−28
CN268F (to IV−14 board)			
	1−509−984−00	o	HOUSING, IL 3P
	1−560−298−00	o	CONTACT, FEMALE AWG22−28

(FRAME, DVPC-1000)

Ref. No. Q'ty	Part No.	SP	Description
CN269F (to IV-14 board)			
	1-509-984-00	o	HOUSING, IL 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN270F (to IV-14 board)			
	1-509-987-00	o	HOUSING, IL 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN271F (to IV-14 board)			
	1-509-987-00	o	HOUSING, IL 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN274F (to IV-14 board)			
	1-509-984-00	o	HOUSING, IL 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN301F (to AT-45 board)			
	1-509-987-00	o	HOUSING, IL 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN302F (to AT-45 board)			
	1-509-987-00	o	HOUSING, IL 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN303F (to AT-45 board)			
	1-509-988-00	o	HOUSING, IL 8P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN304F (to AT-45 board)			
	1-509-988-00	o	HOUSING, IL 8P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN305F (to AT-45 board)			
	1-509-984-00	o	HOUSING, IL 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN307F (to AT-45 board)			
	1-509-984-00	o	HOUSING, IL 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN308F (to AT-45 board)			
	1-509-984-00	o	HOUSING, IL 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN309F (to AT-45 board)			
	1-509-984-00	o	HOUSING, IL 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN310F (to AT-45 board)			
	1-509-984-00	o	HOUSING, IL 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN601F (ANALOG VIDEO R IN)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN602F (ANALOG VIDEO G IN)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN603F (ANALOG VIDEO B IN)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN604F (ANALOG VIDEO SYNC IN)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN605F (ANALOG VIDEO R IN)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN606F (ANALOG VIDEO G IN)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN607F (ANALOG VIDEO B IN)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN608F (ANALOG VIDEO SYNC IN)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN609F (ANALOG VIDEO R OUT1)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN610F (ANALOG VIDEO G OUT1)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN611F (ANALOG VIDEO B OUT1)			
	1-561-781-11	s	RECEP, BNC, FEMALE

(FRAME, DVPC-1000)

Ref. No. Q'ty	Part No.	SP	Description
CN612F (ANALOG VIDEO SYNC OUT1)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN613F (ANALOG VIDEO R OUT2)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN614F (ANALOG VIDEO G OUT2)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN615F (ANALOG VIDEO B OUT2)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN616F (ANALOG VIDEO SYNC OUT2)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN617F (PICTURE MONITOR OUT R)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN618F (PICTURE MONITOR OUT G)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN619F (PICTURE MONITOR OUT B)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN620F (PICTURE MONITOR OUT SYNC)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN621F (WFM IN)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN622F (WFM OUT)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN623F (SYNC OUT)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN624F (ANALOG REFERENCE IN)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN625F (ANALOG REFERENCE IN)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN626F (CF IN)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN627F (CF OUT)			
	1-561-781-11	s	RECEP, BNC, FEMALE
CN628F (SPARE 1) CN629F (SPARE 2) CN630F (SPARE 3)			
	1-561-781-11	s	RECEP, BNC, FEMALE #10001 to 21799 (J) #10001 to 20999 (UC) #10001 to 11199 (EK)
CN628F (SERIAL INTERFACE IN) CN629F (SERIAL INTERFACE OUT-1) CN630F (SERIAL INTERFACE OUT-2)			
	1-561-781-11	s	RECEP, BNC, FEMALE #21801 & UP (J) #21001 & UP (UC) #11201 & UP (EK)
CN631 (ANALOG AUDIO CH-1 IN)			
	1-509-184-51	s	RECEP, XLR 3P, FEMALE (for UC,EK)
	1-509-176-51	s	RECEP, XLR 3P, MALE (for J)
CN632 (ANALOG AUDIO CH-2 IN)			
	1-509-184-51	s	RECEP, XLR 3P, FEMALE (for UC,EK)
	1-509-176-51	s	RECEP, XLR 3P, MALE (for J)
CN633 (ANALOG AUDIO CH-3 IN)			
	1-509-184-51	s	RECEP, XLR 3P, FEMALE (for UC,EK)
	1-509-176-51	s	RECEP, XLR 3P, MALE (for J)
CN634 (ANALOG AUDIO CH-4 IN)			
	1-509-184-51	s	RECEP, XLR 3P, FEMALE (for UC,EK)
	1-509-176-51	s	RECEP, XLR 3P, MALE (for J)
CN635 (ANALOG AUDIO CH-1 OUT)			
	1-509-176-51	s	RECEP, XLR 3P, MALE (for UC,EK)
	1-509-184-51	s	RECEP, XLR 3P, FEMALE (for J)
CN636 (ANALOG AUDIO CH-2 OUT)			
	1-509-176-51	s	RECEP, XLR 3P, MALE (for UC,EK)
	1-509-184-51	s	RECEP, XLR 3P, FEMALE (for J)

Ref. No. Q'ty	Part No.	SP	Description
CN637 (ANALOG AUDIO CH-3 OUT)			
	1-509-176-51	s	RECEP, XLR 3P, MALE (for UC,EK)
	1-509-184-51	s	RECEP, XLR 3P, FEMALE (for J)
CN638 (ANALOG AUDIO CH-4 OUT)			
	1-509-176-51	s	RECEP, XLR 3P, MALE (for UC,EK)
	1-509-184-51	s	RECEP, XLR 3P, FEMALE (for J)
CN641 (DIGITAL AUDIO CH-1 IN)			
	1-509-184-51	s	RECEP, XLR 3P, FEMALE
CN642 (DIGITAL AUDIO CH-2 IN)			
	1-509-184-51	s	RECEP, XLR 3P, FEMALE
CN643 (DIGITAL AUDIO CH-3 IN)			
	1-509-184-51	s	RECEP, XLR 3P, FEMALE
CN644 (DIGITAL AUDIO CH-4 IN)			
	1-509-184-51	s	RECEP, XLR 3P, FEMALE
CN645 (DIGITAL AUDIO CH-1 OUT)			
	1-509-176-51	s	RECEP, XLR 3P, MALE
CN646 (DIGITAL AUDIO CH-2 OUT)			
	1-509-176-51	s	RECEP, XLR 3P, MALE
CN647 (DIGITAL AUDIO CH-3 OUT)			
	1-509-176-51	s	RECEP, XLR 3P, MALE
CN648 (DIGITAL AUDIO CH-4 OUT)			
	1-509-176-51	s	RECEP, XLR 3P, MALE
CN651F (CN-A)			
	1-563-819-11	s	CONNECTOR, D-SUB, 50P
	1-562-580-21	o	CONTACT, FEMALE AWG24-28
	1-563-968-21	o	CONTACT, FEMALE AWG18-22
CN671M (VIDEO ANALOG INPUT 2)			
	1-564-407-21	s	CONNECTOR, 12P
CN672F (VIDEO ANALOG OUTPUT 2)			
	1-562-160-21	s	CONNECTOR, 12P
CN757F (to MB-132 bosrd)			
	1-561-056-00	o	HOUSING, IL 12P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN759F (to MB-132 board)			
	1-561-056-00	o	HOUSING, IL 12P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN760F (to MB-132 board)			
	1-561-056-00	o	HOUSING, IL 12P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN762F (to MB-132 board)			
	1-561-056-00	o	HOUSING, IL 12P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN763F (to MB-132 board)			
	1-561-056-00	o	HOUSING, IL 12P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN764F (to MB-132 board)			
	1-509-989-00	o	HOUSING, IL 10P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN765F (to MB-132 board)			
	1-509-985-00	o	HOUSING, IL 4P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN770F (to MB-132 board)			
	1-509-987-00	o	HOUSING, IL 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN771F (to MB-132 board)			
	1-509-988-00	o	IL CONNECTOR 8P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN772F (to MB-132 board)			
	1-509-988-00	o	HOUSING, IL 8P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN773F (to MB-132 board)			
	1-509-987-00	o	HOUSING, IL 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN774F (to MB-132 board)			
	1-509-987-00	o	HOUSING, IL 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
M001	1-541-337-21	s	FAN, DC12V
M002	1-541-337-21	s	FAN, DC12V
M003	1-541-337-21	s	FAN, DC12V
R2	1-246-474-00	s	RES, CARBON 1.1K 5% 1/4W
R3	1-246-474-00	s	RES, CARBON 1.1K 5% 1/4W
R4	1-246-474-00	s	RES, CARBON 1.1K 5% 1/4W
R5	1-246-474-00	s	RES, CARBON 1.1K 5% 1/4W
R6	1-246-477-00	s	RES, CARBON 1.5K 5% 1/4W
R7	1-246-477-00	s	RES, CARBON 1.5K 5% 1/4W
R8	1-246-477-00	s	RES, CARBON 1.5K 5% 1/4W
R9	1-246-477-00	s	RES, CARBON 1.5K 5% 1/4W
S1	1-514-524-00	s	SWITCH, SLIDE
S2	1-514-524-00	s	SWITCH, SLIDE
S3	1-514-524-00	s	SWITCH, SLIDE
S4	1-514-524-00	s	SWITCH, SLIDE
S5	1-514-524-00	s	SWITCH, SLIDE
S6	1-570-052-11	s	SWITCH, PUSH, POWER

FRAME/POWER SUPPLY, DVPC-1000

Ref. No. Q'ty	Part No.	SP	Description
1pc (for UC,J)	⚠ 1-559-132-00	s	CORD, POWER 3P
1pc (for EK)	⚠ 1-556-371-00	s	CORD, POWER
1pc	1-413-285-12	o	POWER UNIT
(This unit includes the following parts.)			
1pc	9-992-537-01	s	FLAT CABLE ASSY, PST-001 Includes the following connectors. CN4F (to LE-51 board) CN63F (to TX-12 board)
CB1	⚠ 1-532-622-00	s	CIRCUIT BREAKER, AC250V 20A
CN1	1-536-876-11	o	TERMINAL 12P
CN2M	1-561-086-00	o	HOUSING, 9P
	1-561-068-00	o	CONTACT, MALE AWG14-20
CN3M	1-561-087-00	o	HOUSING, 15P
	1-561-068-00	o	CONTACT, MALE AWG14-20
CN6	⚠ 1-537-060-11	o	TERMINAL, 2P
CN7F	⚠ 1-561-828-00	o	HOUSING, 3P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN8F	1-509-987-00	o	HOUSING, IL 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN9F	1-509-988-00	o	HOUSING, IL 8P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN11F	⚠ 1-561-069-00	o	HOUSING, 2P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN12F	1-509-987-00	o	HOUSING, IL 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN16M	1-566-359-11	o	HOUSING, 12P
	1-561-068-00	o	CONTACT, MALE AWG22-28
CN51F	1-562-849-21	o	HOUSING, 12P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN52F	1-562-849-21	o	HOUSING, 12P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN53F	1-562-849-21	o	HOUSING, 12P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN54F	1-562-849-21	o	HOUSING, 12P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN55F	1-562-849-21	o	HOUSING, 12P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN56F	1-562-849-21	o	HOUSING, 12P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN57F	1-509-987-00	o	HOUSING, IL, 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN58F	1-509-987-00	o	HOUSING, IL, 6P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN59F	1-509-984-00	o	HOUSING, IL, 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN60F	1-509-985-00	o	HOUSING, IL, 4P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN61F	1-509-984-00	o	HOUSING, IL, 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN62F	1-509-984-00	o	HOUSING, IL, 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN64F	1-509-984-00	o	HOUSING, IL, 3P
	1-560-298-00	o	CONTACT, FEMALE AWG22-28
CN70F	1-561-828-00	o	HOUSING, 3P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN70M	1-564-070-11	o	HOUSING, 3P
	1-561-068-00	o	CONTACT, MALE AWG14-20

(FRAME/POWER SUPPLY, DVPC-1000)

Ref. No. Q'ty	Part No.	SP	Description
CN72F	⚠ 1-561-828-00	o	HOUSING, 3P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN72M	⚠ 1-564-070-11	o	HOUSING, 3P
	1-561-068-00	o	CONTACT, MALE AWG14-20
CN73F	⚠ 1-561-828-00	o	HOUSING, 3P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN73M	⚠ 1-564-070-11	o	HOUSING, 3P
	1-561-068-00	o	CONTACT, MALE AWG14-20
CN74F	⚠ 1-561-828-00	o	HOUSING, 3P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN74M	⚠ 1-564-070-11	o	HOUSING, 3P
	1-561-068-00	o	CONTACT, MALE AWG14-20
CN75F	⚠ 1-561-828-00	o	HOUSING, 3P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN75M	⚠ 1-564-070-11	o	HOUSING, 3P
	1-561-068-00	o	CONTACT, MALE AWG14-20
CN76F	⚠ 1-561-828-00	o	HOUSING, 3P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN76M	⚠ 1-564-070-11	o	HOUSING, 3P
	1-561-068-00	o	CONTACT, MALE AWG14-20
CN77F	⚠ 1-561-828-00	o	HOUSING, 3P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN77M	⚠ 1-564-070-11	o	HOUSING, 3P
	1-561-068-00	o	CONTACT, MALE AWG14-20
CN78F	⚠ 1-561-828-00	o	HOUSING, 3P
	1-561-067-00	o	CONTACT, FEMALE AWG14-20
CN78M	⚠ 1-564-070-11	o	HOUSING, 3P
	1-561-068-00	o	CONTACT, MALE AWG14-20
CP1	⚠ 1-101-534-00	s	CR PACK, R=120 C=0.1
CP2	⚠ 1-101-534-00	s	CR PACK, R=120 C=0.1
CP3	⚠ 1-101-534-00	s	CR PACK, R=120 C=0.1
D1	⚠ 9-988-388-01	s	DIODE FSM-30C4
LP1	⚠ 9-988-385-01	s	LINE FILTER 250V/15A
M1	⚠ 1-541-203-00	s	FAN, DC12V
M2	⚠ 1-541-203-00	s	FAN, DC12V
M3	⚠ 1-541-203-00	s	FAN, DC12V
PU1	⚠ 1-413-278-11	s	REGULATOR, SWITCHING +5V/1KW
PU2	⚠ 1-413-281-11	s	REGULATOR, SWITCHING −5V/60W
PU3	⚠ 1-413-279-11	s	REGULATOR, SWITCHING −18V/100W
PU4	⚠ 1-413-279-11	s	REGULATOR, SWITCHING +18V/100W
PU5	⚠ 1-413-280-11	s	REGULATOR, SWITCHING +12V/60W
R1	⚠ 9-988-386-01	s	RES, WIREWOUND 10 15W
R2	⚠ 9-988-387-01	s	RES, WIREWOUND 30 60W
RL1	⚠ 9-984-739-01	s	RELAY
RL2	⚠ 9-984-738-01	s	RELAY
S1	⚠ 1-552-060-00	s	SWITCH, ROCKER, VOLTAGE SELECTOR
S2	⚠ 1-552-060-00	s	SWITCH, ROCKER, VOLTAGE SELECTOR
S3	⚠ 1-552-060-00	s	SWITCH, ROCKER, VOLTAGE SELECTOR
S4	⚠ 1-552-060-00	s	SWITCH, ROCKER, VOLTAGE SELECTOR
S5	⚠ 1-552-060-00	s	SWITCH, ROCKER, VOLTAGE SELECTOR
S6	⚠ 1-552-060-00	s	SWITCH, ROCKER, VOLTAGE SELECTOR
S7	⚠ 1-552-060-00	s	SWITCH, ROCKER, VOLTAGE SELECTOR
S8	⚠ 1-552-060-00	s	SWITCH, ROCKER, VOLTAGE SELECTOR
S9	⚠ 1-570-258-32	s	SWITCH, THERMAL 70°C
T1	⚠ 1-448-387-13	s	TANSFOMER, POWER

ACCESSORIES SUPPLIED, DVPC-1000

Ref. No. Q'ty	Part No.	SP	Description
1pc	1-556-535-31	s	CN-B CABLE ASSY
1pc	1-559-042-12	s	CN-A CABLE ASSY, 1m
1pc	1-559-044-11	s	DIGITAL AUDIO CABLE ASSY
2pcs	1-559-043-11	s	DIGITAL VIDEO CABLE ASSY
1pc	A-6001-008-A	s	EXTENTION BOARD, EX-131

(This assembly includes the following parts.)

Ref. No. Q'ty	Part No.	SP	Description
1pc	A-6001-013-A	o	LEVER (RIGHT) ASSY, EJECT
1pc	A-6001-014-A	o	LEVER (LEFT) ASSY, EJECT
CN101M	1-506-748-11	s	RECEP, DIN 96P, MALE
CN102M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN103M	1-506-746-11	s	RECEP, DIN 48P, MALE
CN104F	1-563-341-11	s	RECEP, DIN 96P, FEMALE
CN105F	1-563-339-11	o	RECEP, DIN 48P, FEMALE
CN106F	1-563-339-11	o	RECEP, DIN 48P, FEMALE
1pc	7-621-759-35	s	SCREW, +PSW, 2.6X5
21pcs	7-621-759-45	s	SCREW, +PSW, 2.6X6
4pcs	7-621-759-75	s	SCREW, +PSW, 2.6X10
6pcs	7-622-205-05	s	NUT M2 TYPE2
12pcs	7-628-253-40	s	SCREW, +PS2X10
4pcs	7-682-947-01	s	SCREW, +PSW3X6

Ref. No. Q'ty	Part No.	SP	Description
1pc	A-6001-009-A	o	ANGLE (R) ASSY, RACK

(This assembly includes the following parts.)

Ref. No. Q'ty	Part No.	SP	Description
1pc	3-648-409-00	o	HANDLE, (1)
2pcs	7-682-262-09	s	SCREW +K4X10

Ref. No. Q'ty	Part No.	SP	Description
1pc	A-6001-010-A	o	ANGLE (L) ASSY, RACK

(This assembly includes the following parts.)

Ref. No. Q'ty	Part No.	SP	Description
1pc	3-648-409-00	o	HANDLE, (1)
2pcs	7-682-262-09	s	SCREW +K4X10

OPTIONAL FIXTURE, DVPC-1000

Refer to Section D. "REPLACEABLE PARTS & OPTIONAL FIXTURE" of the DVR-1000 Maintenance Manual.